Williams, Cynthia D.

From: Knauss, Elizabeth
Sent: Friday, September 28, 2012 1:52 PM
To: Coogle, Deon; Williams, Cynthia D.; Brantley, Anna
Subject: Aqua Clean Files - Requested for copying

During my deposition yesterday, the lawyers marked the files as exhibits, and said they would be requesting that Ricoh pick them up for copying. They are currently on my desk

Is there a preferred location?

Knauss, Elizabeth

From: Noble, Ron [rnoble@fowlerwhite.com]
Sent: Monday, September 24, 2012 6:21 PM
To: Dregne, James
Cc: 'mszellars@tampabay.rr.com'; Knauss, Elizabeth
Subject: Re: Aqua Clean Sampling Plan

Thanks for the update Jim.
Ron

From: Dregne, James [mailto:James.Dregne@dep.state.fl.us]
Sent: Monday, September 24, 2012 06:10 PM
To: Noble, Ron
Cc: Mike <mszellars@tampabay.rr.com>; Knauss, Elizabeth <Elizabeth.Knauss@dep.state.fl.us>
Subject: RE: Aqua Clean Sampling Plan

Ron,

Beth and I are currently reviewing both documents. We will have our comments to you by the end of this week.

Thanks,
Jim

JAMES M. DREGNE
FL. DEPT OF ENVIRONMENTAL PROTECTION
Hazardous Waste Program Manager, Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926
ph (813) 632-7600 ext.410, fax (813) 632-7664
james.dregne@dep.state.fl.us

From: Noble, Ron [mailto:rnoble@fowlerwhite.com]
Sent: Friday, September 21, 2012 4:54 PM
To: Dregne, James; Knauss, Elizabeth
Cc: Mike
Subject: Aqua Clean Sampling Plan

Jim and Beth:

Attached please find the final revised Sampling Plan prepared by Brown and Caldwell for Aqua Clean. We have incorporated many of the Department's comments into the final draft of the Sampling Plan and the revised Material Data Certification Sheet (attached to the Sampling Plan). Other comments we have not addressed in the Sampling Plan because it is beyond the scope of the Sampling Plan or not appropriate for this document. For example, we did not address the numerous references to Chapter 62-150, FAC because that is already an existing regulatory requirement that does not need to be repeated in this document. Finally, we incorporated the DOT Certification language Beth requested in the Manifest as opposed to the attached documents. New Manifests will be ordered as soon as this is

reviewed by the Department and the Warning Letter closed. I am meeting with Director Yeargan Tuesday morning of next week to discuss Aqua Clean, and I would like to be able to report to her this WL has been resolved and closed. I understand you might not have sufficient time to complete your review, but please provide an update on where this stands by close of business Monday so I can discuss with Director Yeargan Tuesday morning.

Thanks,
Ron

FOWLER WHITE BOGGS

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Direct: 813 222 1175
Fax: 813 229 8313
www.fowlerwhite.com

Brown AND Caldwell

1560 Sawgrass Corporate Parkway, 4th Floor
Sunrise, FL 33323
Tel: 954-331-4650
Fax: 561-684-9902

Technical Memorandum

Prepared for: Aqua Clean Environmental Co., Inc.

Project Title: Tiered Approach for Influent Sampling

Project No: 142636

Technical Memorandum

Subject: Tiered Approach for Influent Sampling

Date: April 18, 2012

Revised May 1, 2012

Revised September 19, 2012

To: Mike Zellars, General Manager, Aqua Clean

Ron Noble, Fowler White Boggs

From: Everett Gill, P.E., Brown and Caldwell

Prepared by: _____

Everett Gill, P.E.

Reviewed by: _____

Chris Stanfill

1. Introduction

Aqua Clean Environmental Co., Inc. (Aqua Clean) owns and operates an industrial wastewater pretreatment facility in the City of Lakeland, Florida (Lakeland). This facility treats non-hazardous industrial wastewater and is regulated by the Centralized Waste Treatment (CWT) rule (40 CFR 437). Under this rule, Aqua Clean is permitted to receive wastewaters that are regulated under Subpart B (Oils Treatment and Recovery) and Subpart C (Organics Treatment and Recovery).

Lakeland has requested that Aqua Clean prepare a sampling plan and schedule in order to evaluate that Aqua Clean's current customer waste profiles have not changed and to establish a protocol for initial waste profiles to be performed on all new customers consistent with the requirements of the Wastewater Discharge Permit.

The purpose of this sampling plan and schedule is to outline the minimum sampling for customers based upon a tiered approach to address Lakeland's concerns with respect to the type of wastewater and volume of wastewater provided by each customer. Some wastewaters, such as carwashes, slaughterhouses, and many manufacturing facilities, are relatively consistent. They are generated from a single source or process that are not reasonably expected or anticipated to change over time. Other sources of wastewater, such as petroleum contact water from gas stations, may change in concentrations or levels of specific constituents such as oil and grease, however, the presence of other constituents such as some metals, do not change significantly. Other wastewaters such as landfill leachate or disposal contractors, may change from landfill to landfill and possibly even season to season based upon rainfall volume and therefore require more frequent testing because the wastewater is not always relatively consistent.

This sampling plan addresses variations in wastewater characteristics based on industry type. Aqua Clean is permitted to accept oil and organics waste, however it is not permitted, nor is it equipped, to treat Subpart A waste (Metals Bearing Waste). The testing proposed includes a comprehensive metals sampling in order to evaluate if a wastewater should not be accepted, including wastewaters that may fall in the Subpart B (Oil) category but contain metal concentrations above the threshold to be considered a Subpart A wastewater. This sampling is not designed to evaluate treatment efficiency of constituents; that testing is conducted per the requirements of the Periodic Certification Statements and the Initial Certification Statement testing.

The treatment plant Operator will be responsible for identifying more frequent testing or additional wastewater constituents that warrant additional testing beyond the minimum listed in this TM. The wastewater from each individual truck will be physically inspected by an Aqua Clean operator, either from samples pulled directly from the delivering truck or from the receiving pit. All information identified will be noted on the Aqua Clean transportation documents or on the Material Data Certification Sheet. Circumstances which may cause the Operator to require additional testing include (but are not limited to):

- Increased solids concentration or turbidity compared to typical delivery
- Change in odor or appearance in the wastewater
- Change in delivery times or delivery trucks
- Uncharacteristically high volume of wastewater for a particular client
- Increase in wastewater delivery after a long period of no delivery
- Changes to the Material Data Certification Sheet
- Waste from contract haulers

2. Analytical by Industry

The recommended tiered approach for testing is based on a combination of flows as well as industry type. Some industries, such as landfill leachate, require a higher number of analyses due to changing constituents as opposed to other industries, such as petroleum contact water, where the constituents are typically consistent from load to load, however the concentrations may vary. Industries and customers with high volumes or more frequent changes in wastewater characteristics are expected to be evaluated at a higher frequency.

2.1 All Shipments

All wastewaters delivered to Aqua Clean will require a Material Data Certification Sheet. Aqua Clean maintains a file for each customer that includes all of the previous test results performed for that customer as well as the waste profile documentation provided by that customer and any testing which the customer has performed on its wastewater. This sheet is provided in Appendix A.

Wastewater deliveries which containing mixed waste streams and different Subparts from third party transporters and customers, Aqua Clean and the Quality Control and Compliance Superintendent will sample and analyze every load for Tier 1 oil (see Table 1) before the load is authorized for unloading.

2.2 New Customers

As described above, all new customers require a Material Data Certification Sheet profile. Additionally, all new customers will first be categorized into one of the following industry types (described in subsequent sections):

- Subpart B – Oily Wastewater/Petroleum Contact Water – Small Volume
- Subpart B – Contaminated Groundwater From Petroleum Sources
- Subpart B – Oily Wastewater/Petroleum Contact Water – Large Volume
- Subpart C - Contaminated Groundwater from Non-petroleum Sources
- Subpart C – Non-Specific Organic Wastewater
- Subpart C – Landfill Leachate
- Subpart C – Small Volume Organic Wastewater

Prior to accepting the wastewater, Aqua Clean will perform an initial characterization based on the tiered sampling plan described below; subsequent sampling frequency will depend on industry type. Sampling for most requirements and parameters, the type of wastewater was selected over the volume of wastewater due to the relative consistency of many Aqua Clean high volume wastewater customers and the actual variability of wastewater consistency for some of Aqua Clean's lower volume customers. Additional testing will be performed for a length of time and frequency until such time as Aqua Clean is confident that a proper waste characterization is established for each customer.

2.3 Analysis of Samples

The analysis, depending on the parameter to be analyzed, will occur at the Aqua Clean on-site laboratory or at a third party off-site certified location. If Aqua Clean does not have the on-site laboratory equipment to perform the specified analysis, then Aqua Clean and/or the customer will utilize on off-site certified laboratory for the analysis. The test results generated from the on-site laboratory are used for waste characterization and screening purposes and not for regulatory reporting requirements.

The on-site equipment and test methods include the following:

- ICP Metals - Method EPA 200.7
- pH – Electrometric Method by Probe (Method EPA 150.1)
- COD – LaMotte 0074-SC Mercury-Free Multi-Range COD (Acid Digestion)
- Ethylene Glycol – Hach Model GE-1 (Visual/Appearance of Color)
- Conductivity – Electrical Conductivity Meter

In order to ensure the accuracy of in-house laboratory test results of the ICP, periodic split samples are obtained from a single source of wastewater and analyzed in-house and also sent to the off-site third party certified laboratory. Additionally, known samples are analyzed for accuracy.

2.4 Subpart B - Oil

This subpart includes wastewaters that have an oil and grease (O&G) concentration typically >100 mg/L. These wastewaters include petroleum contact water (PCW) as defined by FAC Rule 62-740, wastewaters contaminated with oil such as car wash wastewater, and wastewaters generated from a process where oil is the contaminant of concern regardless of the O&G concentration, such as contaminated groundwater from petroleum sources.

2.4.1 Oily Wastewater/Petroleum Contact Water – Small Volume

These wastewaters are typically characterized by high concentrations of oil and low concentrations of metals. The constituents of this wastewater typically do not significantly change between shipments. This wastewater will be tested a minimum of one time per year per client for Tier 1 Oil constituents.

Table 1. Recommended Subpart B (Oils Treatment and Recovery) - Tier 1 Sampling

Parameter Type	Parameter	Analyze Onsite
Conventional	Flow	Yes
	pH	Yes
Metals	Cadmium	Yes
	Chromium	Yes
	Copper	Yes
	Nickel	Yes
	Zinc	Yes
	Molybdenum	Yes

2.4.2 Contaminated Groundwater from Petroleum Sources

The consulting engineer for contaminated groundwater sources typically has extensive data on this type of wastewater. If this data is not available, or the Operator had indications that the wastewater characterization may have changed, the wastewater will be analyzed for Subpart B, Tier 1 constituents as listed in Table 1 for a minimum of one time per year.

2.4.3 Oily Wastewater/Petroleum Contact Water - Large Volume

As with the small volume petroleum contact wastewaters/oily wastewater, these wastewaters are typically characterized by high concentrations of oil and low concentrations of metals. Clients that deliver a larger volume (50,000 gallons/year or more) of this wastewater will increase testing to a minimum of two times per year based on the Tier 2 – Oils Treatment and Recovery constituent list.

Table 2. Recommended Subpart B (Oils Treatment and Recovery) - Tier 2 Sampling

Parameter Type	Parameter	Analyze Onsite
Conventional	Flow	Yes
	pH	Yes
	Ethylene Glycol	Yes
Metals	Cadmium	Yes
	Chromium	Yes
	Copper	Yes
	Nickel	Yes
	Zinc	Yes
	Molybdenum	Yes

2.5 Subpart C – Organics

This subpart includes wastewaters that have oil and grease concentrations <100 mg/L and contain metal concentrations less than the Subpart A limits, or do not originate from a metals process. These wastewaters typically have a high concentration of organic compounds; however some wastewaters with low organic compound concentrations, such as contaminated groundwater from non-petroleum sources, also require pretreatment under this subpart. The organics wastewaters accepted include nonhazardous organics wastewater and organic wastewater that is not characterized hazardous as identified on the MDCS.

2.5.1 Contaminated Groundwater from Non-Petroleum Sources

The consulting engineer for contaminated groundwater sources typically has extensive data on this type of wastewater. If this data is not available, or the Operator has indications that the wastewater characteristics may have changed, the wastewater will be analyzed for Subpart C, Tier 1 constituents as listed in Table 3. The testing will be conducted one time per year minimum.

Table 3. Recommended Subpart C (Organics Treatment) - Tier 1 Sampling		
Parameter Type	**Parameter**	**Analyze Onsite**
Conventional	Flow	Yes
	pH	Yes
	COD (Surrogate for BOD)	Yes (COD used as surrogate for BOD)
Metals	Cadmium	Yes
	Chromium	Yes
	Copper	Yes
	Nickel	Yes
	Zinc	Yes
	Molybdenum	Yes

2.5.2 Non-Specific Organic Wastewater

Organic wastewater from a facility that does not fall into one of the other defined organics categories, and the volume is greater than 1,000 gallons per year, will be considered a Tier 2 Organics. These wastewaters constituents will be evaluated at a minimum of two times per year. The constituents for Tier 2 Organics sampling are listed in Table 4.

Table 4. Recommended Subpart C (Organics Treatment) - Tier 2 Sampling		
Parameter Type	**Parameter**	**Analyze Onsite**
Conventional	Flow	Yes
	pH	Yes
	COD (Surrogate for BOD)	Yes (COD used as surrogate for BOD)
	Ethylene Glycol	Yes
Metals	Cadmium	Yes
	Chromium	Yes
	Copper	Yes
	Nickel	Yes
	Zinc	Yes
	Molybdenum	Yes

2.5.3 Landfill Leachate

Landfills collect extensive analytical data that is provided to Aqua Clean. If characterization data is not provided, then Aqua Clean will analyze the wastewater per the requirements of the Tier 3 Organics constituents listed in Table 5; the Tier 3 list includes all compounds in Aqua Clean's discharge permit. A minimum testing for Tier 3 Organics list will be conducted one time per year.

Table 5. Recommended Subpart C (Organics Treatment) - Tier 3 Sampling

Parameter Type	Parameter	Analyze Onsite
Conventional	Flow	Yes
	BOD	No/Yes (COD as surrogate)
	TSS	No
	TN	No
	Oil and Grease (total)	No
	Conductivity	Yes
	pH	Yes
	Cyanide	No
Metals	Arsenic	Yes
	Cadmium	Yes
	Mercury	No
	Molybdenum	Yes
	Nickel	Yes
	Selenium	Yes
	Silver	Yes
	Chromium	Yes
	Cobalt	Yes
	Copper	Yes
	Lead	Yes
	Tin	No
	Zinc	Yes
Organics	Benzene	No
	Ethyl Benzene	No
	Toluene	No

Table 4 (Continued). Recommended Subpart C (Organics Treatment) - Tier 3 Sampling

Parameter Type	Parameter	Analyze Onsite
	Xylene	No
	Bis(2-ethylhexyl) Phthalate	No
	Carbazole	No
	o-Cresol	No
	p-Cresol	No
	n-Decane	No
	Fluoranthene	No
	n-Octadecane	No
	2,4,6 - Trichlorophenol	No

2.5.4 Small Volume Organic Wastewater

Wastewater from a facility that does not fall in the previous categories and is less than 1,000 gallons will only require a Material Data Certification Sheet unless the possibility of metals is suspected, then analysis per the requirements of Tier 1 Organics (Table 3) will be conducted.

Attachment A: Material Data Certification Sheet

MATERIAL INFORMATION

Source:
Flashpoint ❑ Exact_____ ❑ <140 ❑ 140-200 ❑ >200

pH ❑ Exact_____ ❑ <2 ❑ 2-5 ❑ 5-9 ❑ 9-12.5 ❑ >12.5

Specific Gravity ❑ _____ ❑ <0.8 ❑ 0.8-1.0 ❑ 1.0 ❑ 1-1.2 ❑ >1.2

Reactive ❑ Yes ❑ No

%Liquid_____ %Solid_____ %Sludge_____ % Water _____

Phases ❑ Single ❑ Double ❑ Multi
Viscosity ❑ Low ❑ Medium ❑ High
Odor ❑ None ❑ Mild ❑ Strong

Color/Appearance: _____ Cloudy or Clear: _____

CERTIFICATION
Are any pesticides, herbicides or dioxin present? ❑ Yes ❑ No

Are any biotoxic components present in the material such as cyanide, chlorine, ethylene glycol, etc.)?
❑ Yes ❑ No

Are any PCBs present in the material? ❑ Yes ❑ No

Is there more than one fuel present? ❑ Yes ❑ No

Does the material meet the definition of a hazardous waste, or is the material characteristically ignitable, corrosive, reactive or toxic as defined under 40CFR Part 261, or does the material contain a hazardous waste listed in 40 CFR Part 261 Subpart D in concentrations that are not excluded under 40 CFR Part 261.3? ❑ Yes ❑ No

GENERATOR'S CERTIFICATION
I hereby certify that the above description, as well as any other information provided to AQUA CLEAN ENVIRONMENTAL is complete and accurate to the best of my knowledge and ability. I certify that the above described material is the specified material as defined by the above conditions. If my material is found not to be the specified material as defined by any of the above conditions, I am liable for any and all penalties and fines assessed against or expenses, costs (including legal fees), or other damages incurred by AQUA CLEAN ENVIRONMENTAL.

Authorized Signature_____ Printed Name_____

Title_____ Date_____

This certification has been reviewed by Aqua Clean for the wastewater delivered to Aqua Clean based on the information provided by the Generator.

_____
Aqua Clean

MATERIAL DATA CERTIFICATION SHEET

AQUA CLEAN ENVIRONMENTAL CO., INC.
3210 WHITTEN ROAD
LAKELAND, FL 33811
(863) 644-0665 PHONE (863) 646-1880 FAX

_____New Profile
_____Amendment

GENERATOR INFORMATION
Generator Name:_____

Address:_____

City:_____State:_____Zip

Contact: _____

Phone: _____Fax: _____

BILLING INFORMATION
Bill To:_____

Address: _____

City:_____State:_____Zip:_____

Billing Contact: _____

Phone:_____Fax:

TRANSPORTATION INFORMATION
Transporter:_____

Estimated Total Gallons	Shipping Container	Shipping Frequency
_____	❑ Drum	❑ One Time
Actual	❑ Tanker	❑ Week
Total Gallons	❑ Other	❑ Month
		❑ Year
_____		❑ Other

D.O.T. SHIPPING NAME:_____

MATERIAL COMPOSITION
Component _____ Concentration _____%
_____ _____%
_____ _____%
How was this wastewater generated:_____

USED OIL
MATERIAL INFORMATION

Source:

Constituent/Property	Level (ppm)
Arsenic	_____
Cadmium	_____
Chromium	_____
Lead	_____
Flashpoint	
Total Halogens	_____

%Liquid_____ %Solid_____ %Sludge

Phases	❑ Single	❑ Double	❑ Multi
Viscosity	❑ Low	❑ Medium	❑ High
Odor	❑ None	❑ Mild	❑ Strong

Color/Appearance _____

CERTIFICATION

Are any pesticides, herbicides or dioxin present? ❑ Yes ❑ No

Are any biotoxic components present in the material such as cyanide, chlorine, ethylene glycol, etc.)? ❑ Yes ❑ No

Are any PCBs present in the material? ❑ Yes ❑ No

Is there more than one fuel present? ❑ Yes ❑ No

Does the material meet the definition of a hazardous waste according to 40CFR Part 261 and the Florida Hazardous Waste Regulations? ❑ Yes ❑ No

GENERATOR'S CERTIFICATION

I hereby certify that the above description, as well as any other information provided to AQUA CLEAN, is complete and accurate to the best of my knowledge and ability. I certify that the above described material is the specified material as defined by any of the above conditions, I am liable for any and all penalties and fines assessed against or expenses, costs (including legal fees), or other damages incurred by AQUA CLEAN ENVIRONMENTAL CO INC.

Authorized Signature_____ Printed Name_____

Title_____ Date_____

Knauss, Elizabeth

From: Knauss, Elizabeth
Sent: Monday, September 10, 2012 10:18 AM
To: 'Mike'
Cc: Fellabaum, Pamela; 'Noble, Ron'
Subject: 94742_hw[1].pdf - Adobe Acrobat Professional
Attachments: 94742_hw[1]

Dear Mr. Zellars:

Thank you for your assistance and cooperation during the Department of Environmental Protection's July 30, 2012 Hazardous Waste Compliance Evaluation Inspection.

Attached is a copy of the inspection report generated from the inspection. As the violations noted in the report have been addressed, no enforcement action will be taken by the District. If you have any questions or concerns regarding the inspection or this email, please don't hesitate to contact me. Please note a response to this email is not required.

Sincerely,

Elizabeth Knauss
Hazardous Waste Section
Southwest District

Florida Department of

Environmental Protection

Hazardous Waste Inspection Report

FACILITY INFORMATION:

Facility Name: Aqua Clean Environmental/Florida Recycling Solutions

On-Site Inspection Start Date: 07/30/2012 **On-Site Inspection End Date:** 08/10/2012

ME ID#: 21896 **EPA ID#:** FLR000034033

Facility Street Address: 3210 Whitten Rd, Lakeland, Florida 33811-1086

Contact Mailing Address: 3210 Whitten Rd, Lakeland, Florida 33811-1086

County Name: Polk **Contact Phone:** (863) 644-0665

NOTIFIED AS:

Non-Handler
Used Oil

INSPECTION TYPE:

Routine Inspection for Used Oil Processor facility

INSPECTION PARTICIPANTS:

Principal Inspector: Elizabeth Knauss, Environmental Manager

Other Participants: Mike Zellars, General Manager

LATITUDE / LONGITUDE: Lat 28° 0' 18.6604" / Long 82° 2' 33.4423"

SIC CODE: 7389 - Services - business services, nec

TYPE OF OWNERSHIP: Private

Introduction:

Aqua Clean Environmental Company and Florida Recycling Solutions (Aqua Clean/FRS) are sister corporations that share this facility. Aqua Clean is a registered transporter of used oil, petroleum contact water and used oil filters. Aqua Clean also operates a Centralized Waste Pretreatment facility at this location that discharges to the City of Lakeland sewer system and a second plant that discharges to the City of Tampa. Florida Recycling Solutions is a permitted used oil processor, and receives oil transported by Aqua Clean Environmental Company and also oil that Aqua Clean recovers from oily waste water and petroleum contact water. Records for both companies and both locations are maintained at this office. Mike Zellars, the General Manager and Audrey Scruggs provided information during the inspection.

Process Description:

Aqua Clean/FRS operations are discussed in previous inspection reports. At the time of this inspection, Aqua Clean had almost completely rebuilt its operations after a fire that occurred at the facility on April 3, 2012. Mr. Zellars reported that verbal approval to resume full operation of the new electrical panel had been granted as of August 10, 2012.

The fire occurred during the unloading of petroleum contact water and fuel into an open sump. The material was generated by Petroleum Aids in Gainesville, Florida and transported by Aqua Clean. It was not described as a USDOT flammable or combustible liquid on the waste profile or shipping papers. The Department's Northeast District Office inspected Petroleum Aids as a result of this incident, and further action is pending. Southwest District Staff met with Aqua Clean representatives on April 17, 2012 to discuss the incident as well as the pending issue regarding waste profiles noted during the August 31, 2011 inspection. Aqua Clean is now unloading all petroleum contact water via hose connection.

On May 29, 2012, Department staff provided Aqua Clean with written comments on perceived

Inspection Date: 07/30/2012

problems with Aqua Clean's current waste profiling practices. In the past, these have resulted in Aqua Clean receiving shipments of undeclared hazardous waste. Although off-specification fuel and petroleum contact water are not hazardous waste when recycled for energy recovery, they are not exempt from USDOT regulations as hazardous materials when they are also flammable liquids. Aqua Clean was previously registered with USDOT to carry hazardous materials, but let that registration lapse. This was discussed with Mr. Zellars previously, and also during this inspection. The company's registration was renewed August 29, 2012. Additional USDOT HazMat training was also recommended, as Aqua Clean drivers often bulk containerized materials for transport and therefore are performing HazMat functions on behalf of their customers.

Another USDOT compliance issue was noted with regard to batches of on-specification recovered oil marketed by Florida Recycling Solutions. Batches have been tested and have exhibited flash points ranging from 118 degress F to 170 degrees F. The oil met the 40 CFR 279.11 specifications for used oil fuel, however the shipping papers for the materials included improper USDOT shipping descriptions. In each case, the oil was described as "Used Oil - Flash greater than 200 degrees F." The oil was accepted and transported by Synergy Recycling of Central Florida, which was also not registered with USDOT to transport hazardous materials. One load was also provided to January Environmental Services, for sale as burner fuel to Peace River Citrus. January is registered to transport HazMat with USDOT. Failure for a used oil transporter to comply with USDOT regulations is a violation of 40 CFR 279.43(b) in addition to violating applicable 49 CFR 171-173 standards. Synergy has registered with USDOT effective September 5, 2012.

Mr. Zellars had recently met with City of Lakeland representatives regarding a parallel case regarding waste profiles. Aqua Clean is authorized to treat subcategory B and C waste waters, but not subcategory A metal bearing waste waters. Lakeland had requested Aqua Clean review its existing waste profiles and begin a sampling program to ensure waste waters were identified and treated properly. He reported that Lakeland had verbally approved their proposed revisions to the company's sampling plan, and that a written revised plan would be submitted to both Lakeland and the FDEP for review in mid-September, 2012. As part of this inspection, waste profiles from a number of customers were examined.

Problems were noted with waste water from Tampa Armature Works pre-paint phosphate conversion coating waste. The profile did not appear to include an accurate description of the material. In addition, the Department recommended additional process information be obtained for wastes from MRC Precision and Synergy Metal Finishing, as these facilities both generate non-hazardous metals subcategory waste waters.

New Potential Violations and Areas of Concern:

Violations

Type:	Violation
Rule:	279.43(b)
Explanation:	Failure to comply with USDOT hazardous materials regulations in 49 CFR Parts 171 through 173 when transporting used oil and consigning the oil for transportation off site. (Corrected)
Corrective Action:	Used oil mixtures with flammable and combustible fuels must be properly described on all shipping papers, and must be packaged and placarded as appropriate. Additional driver training may be required to ensure that this violation does not re-occur.

Type: Violation

Inspection Date: 07/30/2012

Rule:	62-710.850(5)(a), 62-710.850(5)(b)
Explanation:	One container of used oil filters was leaking oil onto the floor of the containment structure at the time of the initial inspection. In addition, two totes of used oil filters located outside were not closed, and were not labeled "used oil filters." (Corrected)
Corrective Action:	Used oil filters may not be stored in leaking containers. All containers holding used oil filters must be labeled, and must be either closed or otherwise protected from the weather.

Conclusion:

At the time of this inspection, Aqua Clean was not in compliance with USDOT transportation requirements applicable to shipments of used oil and petroleum contact water. Since the inspection, the company has registered with USDOT and agreed to take corrective action regarding materials characterization and shipping. A violation regarding used oil filter container managment was also corrected.

Inspection Date: 07/30/2012

Signed:

A hazardous waste compliance inspection was conducted on this date, to determine your facility's compliance with applicable portions of Chapters 403 & 376, F.S., and Chapters 62-710, 62-730, 62-737, & 62 -740 Florida Administrative Code (F.A.C.). Portions of the United States Environmental Protection Agency's Title 40 Code of Federal Regulations (C.F.R.) 260 - 279 have been adopted by reference in the state rules under Chapters 62-730 and 62-710, F.A.C. The above noted potential items of non-compliance were identified by the inspector(s).

This is not a formal enforcement action and may not be a complete listing of all items of non-compliance discovered during the inspection.

Elizabeth Knauss	Environmental Manager	
PRINCIPAL INSPECTOR NAME	**PRINCIPAL INSPECTOR TITLE**	
	FDEP - SWD	9/7/2012
PRINCIPAL INSPECTOR SIGNATURE	**ORGANIZATION**	**DATE**

Supervisor: James Dregne

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Potential Violations" or areas of concern.

Florida Department of

Environmental Protection

Hazardous Waste Inspection Report

FACILITY INFORMATION:

Facility Name: Aqua Clean Environmental Tampa Plant

On-Site Inspection Start Date: 07/20/2012 **On-Site Inspection End Date:** 07/30/2012

ME ID#: 105598 **EPA ID#:** FLR000193466

Facility Street Address: 1008 N 19th St, Tampa, Florida 33605

Contact Mailing Address: 33210 Whitten Rd, Lakeland, Florida 33811

County Name: Hillsborough **Contact Phone:** (863) 644-0665

NOTIFIED AS:

N/A

INSPECTION TYPE:

Routine Inspection for Non-Handler facility

INSPECTION PARTICIPANTS:

Principal Inspector: Elizabeth Knauss, Environmental Manager

Other Participants: Mike Zellars, General Manager; Kelly Honey, ES III; John Rygwelski, Site Supervisor

LATITUDE / LONGITUDE: Lat 27° 57' 14.2592" / Long 82° 26' 19.6078"

SIC CODE: 4952 - Trans. & utilities - sewerage systems

TYPE OF OWNERSHIP: Private

Introduction:

Aqua Clean Environmental Company's Tampa centralized waste water pretreatment facility was inspected for compliance with state hazardous waste regulations. Aqua Clean has leased the southern portion of the former Devoe and Raynolds paint manufacturing facility and installed waste water storage and blending tanks that discharge to the City of Tampa's Howard Curran plant. The property is a Waste Cleanup site, also known as Channelside Holdings, LLC. The facility is operating under a pretreatment permit that was renewed effective July 6, 2012. The permit allows the company to discharge up to 125,000 gallons per day of Subcategory C Organics waste water to the City. The permit does not address subcategory A or B waste waters. The facility has not notified of any hazardous waste activity and is not authorized to act as a designated facility to accept hazardous waste, used oil or petroleum contact water. John Rygwelski represented Aqua Clean during the inspection.

Process Description:

Aqua Clean receives waste water at this facility from Aqua Clean's Lakeland treatment facility and also directly from a number of industrial users by tank trailer and vacuum truck. The water is unloaded by hose to one of the four holding tanks, and the water is blended for discharge. The facility does not have an in-ground open unloading pit like the company's Lakeland plant. The holding tanks are located within a concrete secondary containment structure, built over a liner. The containment was constructed to allow two additional tanks to be installed in the future. On occasion, water is also transferred from Tampa to Lakeland. Shipping papers for these transfers are maintained at the Lakeland facility.

At the time of the inspection, the containment was clean and free from standing water. Storm water drains to a collection sump, where it can be pumped into one of the tanks. An auxiliary pump was located in a large black plastic containment trough west of the tank containment structure. The pump was being cleaned, and wastewater collected in the trough was being pumped into the tanks during the inspection.

The facility does not have any permanent buildings. The operator receives loads of waste water, signs the shipping papers and unloads the transport trailers. The shipping papers are stored in a plastic lock box mounted on a pole next to the tanks and the papers are transferred to the Lakeland plant each day. On the day of the inspection, the plant had received several loads of waste water from Aqua Clean Lakeland, but also leachate from two different landfills, loads from a slaughterhouse/meat processing plant, a load of car wash waste and loads described as non hazardous/non regulated waste water from Dart Container and Dr. Phillips Hospital in Orlando.

Records were reviewed on July 30, 2012 at Aqua Clean's main facility in Lakeland. Facility operations were discussed with the General Manager, Mr. Mike Zellars. Aqua Clean's Tampa facility was determined to be a non handler of hazardous waste. The facility does not accept petroleum contact water for recovery or hazardous waste water for pre-treatment. The company uses the same waste profile forms and bills of lading forms for both facilities.

The Department had previously received copies of shipping papers from Tampa Armature Works ("TAW") that appeared to indicate that TAW was shipping non hazardous metals subcategory wastewater from phosphate conversion coating to the Aqua Clean. The papers indicated that the waste had been sent to both the Lakeland and Tampa Aqua Clean facilities, including the most recent shipment on June 11, 2012 to Lakeland. Aqua Clean's file copy indicated that this shipment had been diverted to Tampa, and that the address of the designated facility had been changed accordingly. TAW's profile for this material did not clearly describe the process generating the waste water, which Aqua Clean understood to be paint booth wash water rather than phosphate coating waste water.

Aqua Clean is working with the City of Lakeland to revise the facility's pre-acceptance procedures and waste profile forms. Revised forms will also be submitted to the Department for comment.

Conclusion:

Based on the results of this inspection, Aqua Clean Environmental's Tampa pretreatment plant was found to be a non-handler of hazardous waste. Aqua Clean should improve waste screening procedures to ensure that sales personnel and drivers recognize and do not accept categorical waste waters not authorized under the facility's pretreatment permit.

Inspection Date: 07/20/2012

Signed:

A hazardous waste compliance inspection was conducted on this date, to determine your facility's compliance with applicable portions of Chapters 403 & 376, F.S., and Chapters 62-710, 62-730, 62-737, & 62-740 Florida Administrative Code (F.A.C.). Portions of the United States Environmental Protection Agency's Title 40 Code of Federal Regulations (C.F.R.) 260 - 279 have been adopted by reference in the state rules under Chapters 62-730 and 62-710, F.A.C. The above noted potential items of non-compliance were identified by the inspector(s).

This is not a formal enforcement action and may not be a complete listing of all items of non-compliance discovered during the inspection.

Elizabeth Knauss	Environmental Manager	
PRINCIPAL INSPECTOR NAME	**PRINCIPAL INSPECTOR TITLE**	
	FDEP - SWD	8/10/2012
PRINCIPAL INSPECTOR SIGNATURE	**ORGANIZATION**	**DATE**

Supervisor: James Dregne

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Potential Violations" or areas of concern.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Journal Report

21896 - Aqua Clean Environmental/Florida Recycling Solutions

The following criteria was selected for the Journal Report:

Inspection Status:	All
Activity Type:	All
Facility Comments:	All
Facility Attachments:	All
Violation Status:	All
Area Of Concern Status:	All

09/07/2012 Informal Verbal Enforcement Activity Knauss, Beth

Activity Title: Informal Verbal Enforcement
Activity Status: Closed
Activity Closed 09/07/2012
Description:
Tracking Number:

Events:

Event Type: Closed — Date: 09/07/2012
Event Type: Finished — Date: 09/07/2012

07/30/2012 Site Inspection Activity Knauss, Beth

Activity Result: Minor Out of Compliance
Activity Status: Closed
On-Site Start Date: 07/30/2012
On-Site Finish Date: 08/10/2012
Activity Closed 09/07/2012
Activity Closed By: Knauss, Beth

Comments:

Comment Date: 09/07/2012 — User: Dregne, James
Description: Approved by James Dregne : ok

Comment Date: 09/07/2012 — User: Knauss, Beth
Description: Edits made

Comment Date: 09/07/2012 — User: Dregne, James
Description: Edits made

Attachments:

Attachment Date: 09/07/2012 — User: Knauss, Beth
Description: This is the inspection report
View Attachment

09/07/2012 Electronic Communication Activity Knauss, Beth

Activity Closed Date:	09/07/2012	Activity Status:	Closed
Recipient:	E Knauss		
Sender:	Mike Zellars		
Subject:	DOT compliance		
Message:	Registration will be completed and facility will comply with USDOT requirments - verified that registration certificate was issued 8/30/12. In a follow up call 9/7 Zellars said he would send a copy of the most recent shipping paper of the oil for review.		

Events:

Event Type:	Finished	Date:	09/07/2012

07/30/2012 Checklist Independent Violation Knauss, Beth

Significance:	SNC	Status:	Closed
Harm Level:	Major	Deviation Level:	Moderate
Rule:	279.43(b)		
Section:	No Data Available		
Question Number:	No Data Available		
Question:	No Data Available		
Explanation:	Failure to comply with USDOT hazardous materials regulations in 49 CFR Parts 171 through 173 when transporting used oil and consigning the oil for transportation off site. (Corrected)		
Corrective Action:	Used oil mixtures with flammable and combustible fuels must be properly described on all shipping papers, and must be packaged and placarded as appropriate. Additional driver training may be required to ensure that this violation does not re-occur.		

07/30/2012 Checklist Independent Violation Knauss, Beth

Significance:	Minor	Status:	Closed
Harm Level:	Minor	Deviation Level:	Minor
Rule:	62-710.850(5)(a), 62-710.850(5)(b)		
Section:	No Data Available		
Question Number:	No Data Available		
Question:	No Data Available		
Explanation:	One container of used oil filters was leaking oil onto the floor of the containment structure at the time of the initial inspection. In addition, two totes of used oil filters located outside were not closed, and were not labeled "used oil filters." (Corrected)		
Corrective Action:	Used oil filters may not be stored in leaking containers. All containers holding used oil filters must be labeled, and must be either closed or otherwise protected from the weather.		

10/20/2011 Enforcement Activity Knauss, Beth

Activity Title:	Enforcement Tracking	Activity Status:	Closed
Activity Result:	Closed Without Enforcement	Activity Closed Date:	09/07/2012

Events:

Event Type:	Finished	Date:	09/07/2012

Comments:

Comment Date:	05/23/2012	User:	Dregne, James
Description:	5/22/2012 - Case involves both District and Local agencies. District is currently waiting for the City of Lakeland to complete their case and receive all the information the need from Aqua Clean. District has reviewed the Aqua Clean sampling plan and is waiting for a response to comments. Anticipate resolving case in 30 days.		

09/06/2012 **Phone Conversation Activity** **Dregne, James**

Call Type: Incoming Activity Status: Closed

Phone Number: 813-368-7009 Activity Closed Date: 09/06/2012

Subject: Violation resolved following telephone conversation with Mr. Ron Noble. Contents of Sampling Plan and Material Data Certification OK'd by City of Lakeland. Documents will be forwarded to Department next week following Mr. Noble's return from California. Litigation risk also discussed. Following phone conversation with Mr. Noble, the District's course of action was discussed with Division HQ and Tim Bahr.

Events:

Event Type: Finished Date: 09/06/2012

12/13/2011 **Meeting Activity** **Knauss, Beth**

Activity Closed 12/13/2011 Activity Status: Closed

Location: Admin Conf Rm

Subject: W.D Miller, Ron Noble, Jim Dregne and Beth Knauss met to discuss the results of Aqua Clean's internal investigation regarding the shipping papers from Quality Aerospace. Sales Rep Tom B first visited the facility before it was operating, and next visited just after it opened. He said he made it clear to Quality that Aqua Clean only accepted non hazardous waste. Quality was referred to Environmental Marketing Services regarding arranging for hazardous waste disposal. The second shipping paper with Aqua Clean's drivers'signatures appeared to have been presented on a clip board. The form appeared to have been printed from an on-line source, and was not a typical multi page manifest form. The drivers have been re-trained regarding signing anything other than the Aqua Clean shipping papers. Aqua Clean trucks only carry Aqua Clean non hazardous waste manifests. Aqua Clean will provide contact information for Environmental Marketing for follow up. DEP will request the PCB cleanup information and send suggested waste profile language via email

Events:

Event Type: Finished Date: 12/13/2011

12/13/2011 **Meeting Activity** **Knauss, Beth**

Activity Closed 12/13/2011 Activity Status: Closed

Location: Admin Conf Room

Subject: A meeting was held with representatives of Aqua Clean to discuss the inspection report and warning letter. City of Lakeland Pretreatment Program representatives also attended the meeting. Attorney Ron Noble and W.D Miller represented Aqua Clean. Information was also requested regarding an incident involving PCB oil rejected by FCC Environmental and returned to Aqua Clean. Aqua Clean will provide documentation regarding the oil acceptance, subsequent disposal and equipment decontamination.

Regarding the electroplating waste water and sludge accepted from Quality Aerospace Coatings, Aqua Clean gave a history of their dealings with the company. Miller was given copies of the duplicate shipping papers submitted by QAC, and he said that he was not familiar with the records,and would immediately question their staff in detail about the records and dealings with the company, and would follow up with DEP.

Miller and Noble said that they had been having internal discussions about the advisability of revising their waste profiles, and agreed that some revisions would be wise. DEP reiiterated that the profile form was not the only issue. Aqua Clean must cease accepting incomplete forms.

Events:

Event Type: Finished Date: 12/13/2011

10/20/2011 **Document Management Activity** **Knauss, Beth**

Activity Title: WARNING LETTER Activity Status: Closed

Events:

Event Type: Drafted Date: 08/30/2011

Event Type: Reviewed Date: 10/19/2011

Event Type: Sent Date: 10/21/2011

Event Type: Finished Date: 10/24/2011

08/31/2011 Site Inspection Activity Knauss, Beth

Activity Result:	Major Out of Compliance	Activity Status:	Closed
On-Site Start Date:	08/31/2011	On-Site Finish Date:	08/31/2011
Activity Closed	10/20/2011	Activity Closed By:	Knauss, Beth

Comments:

Comment Date:	10/18/2011	User:	Dregne, James
Description:	Approved by Dregne, James		
Comment Date:	10/18/2011	User:	Knauss, Beth
Description:	as directed		
Comment Date:	10/18/2011	User:	Knauss, Beth
Description:	Submitted for approval by Knauss, Elizabeth		

Attachments:

Attachment Date:	10/20/2011	User:	Knauss, Beth
Description:	This is the inspection report		

View Attachment

08/31/2011 Checklist Independent Violation Knauss, Beth

Significance:	Minor	Status:	Closed
Harm Level:	Minor	Deviation Level:	Minor
Rule:	279.54(f)(1)		
Section:	No Data Available		
Question Number:	No Data Available		
Question:	No Data Available		
Explanation:	Used Oil tanks were not labeled. (Corrected)		
Corrective Action:	Replacement labels had been obtained, but not yet applied to the used oil tanks. In the future, Florida Recycling Solutions must ensure that all containers and tanks holding used oil are labeled as soon as oil is placed in the unit. Temporary labels are permissible.		

08/31/2011 Checklist Independent Violation Knauss, Beth

Significance:	Minor	Status:	Closed
Harm Level:	Moderate	Deviation Level:	Moderate
Rule:	262.11(b)		
Section:	No Data Available		
Question Number:	No Data Available		
Question:	No Data Available		
Explanation:	Aqua Clean failed to address the pre-existing area of concern identified in 2008, and as a result has accepted and disposed of F006/F019 listed waste water treatment sludge generated by Quality Aerospace Coatings from chromic acid anodizing and chromate conversion coating. Aqua Clean accepted this waste based on incomplete profiles. Aqua Clean does not required its customers to submit process information that would ensure that the facility is able to determine if listed hazardous waste is generated by its treatment process.		
Corrective Action:	Aqua Clean must amend its waste profiles and train sales personnel to ensure that process information is submitted in its waste profiles. Process information must include sufficient detail to ensure that accurate hazardous waste determinations may be conducted on Aqua Clean's treatment residues.		

11/18/2008 Site Inspection Activity Knauss, Beth

Activity Result: In Compliance
Activity Status: Closed
On-Site Start Date: 11/18/2008
On-Site Finish Date: 11/18/2008
Activity Closed 01/20/2009
Activity Closed By: Knauss, Beth

Comments:

Comment Date: 01/20/2009 User: Dregne, James
Description: Approved by Dregne, James

Comment Date: 01/20/2009 User: Knauss, Beth
Description: Changed the "miller" spelling, and changed your participation to "inspector" rather than "supervisor" so that your name would print out on the report's first page.

Comment Date: 01/20/2009 User: Knauss, Beth
Description: Submitted for approval by Knauss, Elizabeth

Attachments:

Attachment Date: 01/20/2009 User: Knauss, Beth
Description: This is the inspection report
View Attachment

11/18/2008 Area Of Concern Knauss, Beth

Status: Closed

Rule: 262.12
Section: Pre-Inspection Checklist
Question Number: 26.10
Question: Facility notified with correct status.
Explanation: Aqua Clean has made the business decision not to accept manifested hazardous wastewater for pretreatment. However, the Department has documented several occasions after the facts where unmanifested hazardous waste has been accepted by Aqua Clean on the basis of inaccurate or incomplete profiles.
Corrective Action: Aqua Clean should improve its waste profiling and review procedures to ensure that hazardous waste is rejected in the future.

07/07/2005 Checklist Independent Violation Knauss, Beth

Significance: Undetermined
Status: Closed
Harm Level: Undetermined
Deviation Level: Undetermined
Rule: 62-730.160
Section: No Data Available
Question Number: No Data Available
Question: No Data Available
Explanation: HAS STARTED TO COMPLY WITH STATE SOPS FOR SAMPLING PER LETTER FROM NOBLE :Previous citation: GOR:62-730.160
Corrective Action: No data available from import.

07/07/2005 Checklist Independent Violation Knauss, Beth

Significance: Undetermined
Status: Closed
Harm Level: Undetermined
Deviation Level: Undetermined
Rule: 62-737.400
Section: No Data Available
Question Number: No Data Available
Question: No Data Available
Explanation: HAS STARTED RECOVERING SOME QUANTITY OF PRODUCT FROM PCW :Previous citation: GOR:62-740.300(3)

Corrective Action: No data available from import.

07/07/2005 Legacy Site Inspection Activity Knauss, Beth

Activity Result: Minor Out of Compliance
Activity Status: Closed
Activity Closed: 07/07/2005
Activity Closed By: Knauss, Beth

08/02/1999 Legacy Site Inspection Activity DEMBECK, G

Activity Result: Minor Out of Compliance
Activity Status: Closed
Activity Closed: 08/02/1999
Activity Closed By: DEMBECK, G

08/02/1999 Checklist Independent Violation DEMBECK, G

Significance: Undetermined
Status: Closed
Harm Level: Undetermined
Deviation Level: Undetermined
Rule: 279.54(d)
Section: No Data Available
Question Number: No Data Available
Question: No Data Available
Explanation: :Previous citation: UOS:279.54(d)
Corrective Action: No data available from import.

08/02/1999 Checklist Independent Violation DEMBECK, G

Significance: Undetermined
Status: Closed
Harm Level: Undetermined
Deviation Level: Undetermined
Rule: 62-710.800(1)
Section: No Data Available
Question Number: No Data Available
Question: No Data Available
Explanation: :Previous citation: UOG:62-710.800(1)
Corrective Action: No data available from import.

08/02/1999 Checklist Independent Violation DEMBECK, G

Significance: Undetermined
Status: Closed
Harm Level: Undetermined
Deviation Level: Undetermined
Rule: 62-710.600(2)(a)
Section: No Data Available
Question Number: No Data Available
Question: No Data Available
Explanation: :Previous citation: UOG:62-710.600(2)(a)
Corrective Action: No data available from import.

08/02/1999 Checklist Independent Violation DEMBECK, G

Significance:	Undetermined	Status:	Closed
Harm Level:	Undetermined	Deviation Level:	Undetermined
Rule:	262.11		
Section:	No Data Available		
Question Number:	No Data Available		
Question:	No Data Available		
Explanation:	:Previous citation: GGR:262.11		
Corrective Action:	No data available from import.		

08/02/1999 Checklist Independent Violation DEMBECK, G

Significance:	Undetermined	Status:	Closed
Harm Level:	Undetermined	Deviation Level:	Undetermined
Rule:	62-740.300(1)(c)		
Section:	No Data Available		
Question Number:	No Data Available		
Question:	No Data Available		
Explanation:	No data available from import.		
Corrective Action:	No data available from import.		

08/27/1997 Legacy Site Inspection Activity DEMBECK, G

Activity Result:	Minor Out of Compliance	Activity Status:	Closed
Activity Closed	08/27/1997	Activity Closed By:	DEMBECK, G

08/27/1997 Checklist Independent Violation DEMBECK, G

Significance:	Undetermined	Status:	Closed
Harm Level:	Undetermined	Deviation Level:	Undetermined
Rule:	279.22(c)(1)		
Section:	No Data Available		
Question Number:	No Data Available		
Question:	No Data Available		
Explanation:	:Previous citation: UOS:279.22(c)(1)		
Corrective Action:	No data available from import.		

08/27/1997 Checklist Independent Violation DEMBECK, G

Significance:	Undetermined	Status:	Closed
Harm Level:	Undetermined	Deviation Level:	Undetermined
Rule:	62-740.100(2)(c)		
Section:	No Data Available		
Question Number:	No Data Available		
Question:	No Data Available		
Explanation:	No data available from import.		
Corrective Action:	No data available from import.		

Knauss, Elizabeth

From: Knauss, Elizabeth
Sent: Friday, September 07, 2012 11:05 AM
To: 'Mike'
Cc: Dregne, James
Subject: RE: Synergy manifest

Thanks, Mike. That looks good.

From: Mike [mailto:mszellars@tampabay.rr.com]
Sent: Friday, September 07, 2012 11:03 AM
To: Knauss, Elizabeth
Subject: Synergy manifest

Hi Beth, here is the manifest from the oil we sold at end of August. Please let me know if you need anything else.

Thx
Mike

13247

SYNERGY RECYCLING OF CENTRAL FLORIDA

H24,000.95

BS12009

RECYCLE / TRANSPORTATION RECEIVING MANIFEST

MANIFEST NUMBER 260010 01208002

Corporate Mailing Address:
P.O. Box 88
Sharpsburg, Ga. 30277
Service Hot Line (863) 419-0556

Ship to: Facility Address:
Synergy Recycling of Central Florida, LLC
3800 W. Lake Hamilton Drive
Winter Haven, Florida 33881

EPA ID # FLR000053611

Generator Name
Florida Recycling Solutions
Address
3120 Whitten Road
Phone
863- 712-6635
EPA ID #

Billing Address (if different from location)

City	State	Zip	County
Lakeland	Florida	33811	Polk

Description / Classification: Non-Hazardous

- [X] Combustible Liquid N.O.S. NA 1993 PG III (used oil) — Quantity of Gallons 6549 60 — Drum Size
- [ ] Used Antifreeze, Flash Greater than 200 F° No placard Required — Quantity of Gallons — Drum Size
- [ ] Oily Water, Flash Greater than 200 F° No Placard Required — Quantity of Gallons — Drum Size
- [ ] Used Oil Filters, Flash Greater than 200 F° No Placard Required — Quantity of Drums
- [ ] Spent Absorbents, Flash Greater than 200 F° No Placard Required — Quantity of Drums
- [ ] Other: Specify

Halogen Test Method:

Check Results
INFICON TEK-MATE
Above 1000 ppm
Below 1000 ppm

Dexsil
Above 1000 ppm
(Below) 1000 ppm

Special Billing Information or Comments
FLP 140

ADDITIONAL DESCRIPTION / SPECIAL HANDLING INSTRUCTIONS:
Used oil is subject to regulation by the Florida DEP Statue 403, Florida Administrative Code 62-710.6000 and The United States EPA 40 CFR Part 279.
Avoid skin & tissue contact. Wear gloves & eye protection. In case of emergency contact the Florida Department of Environmental Protection and Synergy Recycling at (863) 419-0556.

GENERATOR CERTIFICATION
We the generator of this product, hereby certify that we have not mixed any hazardous waste with this product being collected by Synergy Recycling. This product is being transported to Synergy Recycling to be recycled in accordance with all federal, state, and local laws. We the generator also certify that this product does not contain any detectable levels of PCB's (53 Fed. Reg. 24206, June 27, 1988).
I hereby declare that the contents of this shipment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international, national, and state regulations.
Unless I am a conditionally exempt small generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment.

PRINTED NAME: Edward Holder — SIGNATURE: Edward Holder — DATE: 8-31-12

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED NAME: MANNY SANTIAGO — SIGNATURE: M. Santiago — DATE: 8/3/2012

RECEIVING FACILITY ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED NAME: GARRY R. ALLEN — SIGNATURE: [signature] — DATE: 8-31-12

Discrepancy Indication Space
FLASH PT 140 RNS

IN CASE OF EMERGENCY PLEASE CALL (863) 419-0556

SYNERGY RECYCLING OF CENTRAL FLORIDA

RECYCLE / TRANSPORTATION RECEIVING MANIFEST

MANIFEST NUMBER 960009

Corporate Mailing Address:
P.O. Box 88
Sharpsburg, Ga. 30277
Service Hot Line (863) 419-0556

Ship to: Facility Address:
Synergy Recycling of Central Florida, LLC
3800 W. Lake Hamilton Drive
Winter Haven, Florida 33881

EPA ID # FLR000053611

Generator Name
Florida Recycling Solutions
Address
3120 Whitten Road
Phone **EPA ID #**
863- 712-6635

Billing Address (if different from location)

City	State	Zip	County
Lakeland	Florida	33811	Polk

Description / Classification: Non-Hazardous

[X] Combustible Liquid N.O.S.
NA 1993 PG III (used oil)
Quantity of Gallons 7000
Drum Size _____
Halogen Test Method:

[ ] Used Antifreeze, Flash Greater than 200 F°
No placard Required
Quantity of Gallons _____
Drum Size _____
Check Results
INFICON TEK-MATE

[ ] Oily Water, Flash Greater than 200 F°
No Placard Required
Quantity of Gallons _____
Drum Size _____
Above 1000 ppm
Below 1000 ppm

[ ] Used Oil Filters, Flash Greater than 200 F°
No Placard Required
Quantity of Drums _____
Dexsil

[ ] Spent Absorbents, Flash Greater than 200 F°
No Placard Required
Quantity of Drums _____
Above 1000 ppm
(Below) 1000 ppm

[ ] Other: Specify _____

Special Billing Information or Comments _____

ADDITIONAL DESCRIPTION / SPECIAL HANDLING INSTRUCTIONS:
Used oil is subject to regulation by the Florida DEP Statue 403, Florida Administrative Code 62-710.6000 and The United States EPA 40 CFR Part 279.
Avoid skin & tissue contact. Wear gloves & eye protection. In case of emergency contact the Florida Department of Environmental Protection and Synergy Recycling at (863) 419-0556.

GENERATOR CERTIFICATION
We the generator of this product, hereby certify that we have not mixed any hazardous waste with this product being collected by Synergy Recycling. This product is being transported to Synergy Recycling to be recycled in accordance with all federal, state, and local laws. We the generator also certify that this product does not contain any detectable levels of PCB's (53 Fed. Reg. 24206, June 27, 1988).
I hereby declare that the contents of this shipment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international, national, and state regulations.
Unless I am a conditionally exempt small generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment.

PRINTED NAME: Mike Zellers SIGNATURE: [signature] DATE: 8/30/12

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED NAME: MANNY SANTIAGO SIGNATURE: [signature] DATE: 8/30/2012

RECEIVING FACILITY ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED NAME: GARRY R. RILEY SIGNATURE: [signature] DATE: 8-30-12

Discrepancy Indication Space
FLASH 140

IN CASE OF EMERGENCY PLEASE CALL (863) 419-0556

09/06/2012 Phone Conversation Activity Dregne, James

Violation resolved following telephone conversation with Mr. Ron Noble. Contents of Sampling Plan and Material Data Certification OK'd by City of Lakeland. Documents will be forwarded to Department next week following Mr. Noble's return from California. Litigation risk also discussed. Following phone conversation with Mr. Noble, the District's course of action was discussed with Division HQ and Tim Bahr.

Closed
Events:
Event Type: Finished Date: 09/06/2012

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION

HAZARDOUS MATERIALS CERTIFICATE OF REGISTRATION FOR REGISTRATION YEAR(S) 2011-2014

Registrant: AQUA CLEAN ENVIRONMENTAL CO INC
Attn: W D MILLER
3210 WHITTEN RD
LAKELAND, FL 33811-1086

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

Reg. No: 081712 550 094TV **Issued: 08/29/2012** **Expires: 06/30/2014**

HM Company ID: 056947

Record Keeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

(1) A copy of the registration statement filed with PHMSA; and
(2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, PHH-52, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, DC 20590, telephone (202) 366-4109.

Knauss, Elizabeth

From: Mike [mszellars@tampabay.rr.com]
Sent: Friday, August 17, 2012 12:49 PM
To: Knauss, Elizabeth
Cc: 'Noble, Ron'; Dregne, James
Subject: RE: Inspection Report

Beth,

We are working on finishing up the revised sampling plan and profile, hopefully will have something soon to you.

In regards to the USDOT, we have renewed our Haz materials registration, thanks again for the heads up on that. They advised the renewal was done in time so that it will cover from the time it officially expired.

Mike

From: Knauss, Elizabeth [mailto:Elizabeth.Knauss@dep.state.fl.us]
Sent: Friday, August 10, 2012 5:29 PM
To: 'Mike'
Cc: 'Noble, Ron'; Dregne, James
Subject: Inspection Report

Mike – I am not finishing the inspection report today to give you a chance to get us the revised sampling plan and profile you discussed with the City of Lakeland. Hopefully I can review and approve it when I get back from vacation . In the interim, can you let Jim Dregne know when you expect to have the written plan submitted? Thanks.

In addition, while I was out there today, we did not discuss how you are progressing with USDOT compliance. As you remember, we discussed requirements for accurate USDOT shipping descriptions when used oil and petroleum contact water are also flammable of combustible materials. Your processed oil analyses were all on specification used oil fuel, however they were also either DOT flammable or combustible. Your USDOT shipping descriptions for outgoing oil were all certifying that the oil had a flash point above 200 degrees F. As discussed previously, this is also an issue on incoming materials that are mixtures of used oil, gasoline and diesel fuel.

Can you give me an update as to where you stand on PHMSA registration and HazMat compliance? 40 CFR 279.43 requires transporters to also comply with applicable USDOT requirements.

Please cc Jim on your response, Thanks.

Beth Knauss
Hazardous Waste Program

Please take a few minutes to share your comments on the service you received from the department by clicking on this link DEP Customer Survey.

Knauss, Elizabeth

From: Knauss, Elizabeth
Sent: Friday, August 10, 2012 5:29 PM
To: 'Mike'
Cc: 'Noble, Ron'; Dregne, James
Subject: Inspection Report

Mike – I am not finishing the inspection report today to give you a chance to get us the revised sampling plan and profile you discussed with the City of Lakeland. Hopefully I can review and approve it when I get back from vacation . In the interim, can you let Jim Dregne know when you expect to have the written plan submitted? Thanks.

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Can you give me an update as to where you stand on PHMSA registration and HazMat compliance? 40 CFR 279.43 requires transporters to also comply with applicable USDOT requirements.

Please cc Jim on your response, Thanks.

Beth Knauss
Hazardous Waste Program

Knauss, Elizabeth

From: Knauss, Elizabeth
Sent: Tuesday, July 31, 2012 2:09 PM
To: ' Mike Zellars'
Subject: Synergy Metal
Attachments: synergy.pdf

Mike – attached is a report on Synergy Metal

Knauss, Elizabeth

From: Mike Zellars [mszellars@acelkd.com]
Sent: Tuesday, July 31, 2012 9:15 AM
To: Knauss, Elizabeth
Cc: Dregne, James
Subject: RE: Aqueous Cleaning-AquanoxR A4241 | Fraser Technologies

Thanks Beth,

I will research more and see what more info I can come up with. I will give Rick a call once I know all the info.

Appreciate the help

Mike

-----Original Message-----
From: Knauss, Elizabeth [mailto:Elizabeth.Knauss@dep.state.fl.us]
Sent: Tuesday, July 31, 2012 8:55 AM
To: ' Mike Zellars'
Cc: Dregne, James
Subject: RE: Aqueous Cleaning-AquanoxR A4241 | Fraser Technologies

The material appears to be a detergent type cleaner marketed for use in the electronics assembly industry for cleaning printed circuit boards and the stencils used in electronics assembly - on Fraser's web site "PCB" stands for printed circuit boards. Stencils are used to apply solder paste to the printed circuit boards. Solder paste can contain heavy metals, but some of the newer pastes are lead or silver free.

I'm not sure whether this particular waste water would be subcategory A waste - some electronics assemblers have plating and etching processes and others contract those processes out.

I would suggest you get more information and discuss the specifics with Rick Ruede.

From: Mike Zellars [mailto:mszellars@acelkd.com]
Sent: Tuesday, July 31, 2012 8:26 AM
To: Knauss, Elizabeth
Subject: Aqueous Cleaning-AquanoxR A4241 | Fraser Technologies

http://www.frasertech.co.uk/page/A4241

Hi Beth,

Thanks again for the visit and advice yesterday, it is much appreciated. I received a profile this morning from a potential customer and they listed aquanox cleaners as a possible component of their wastewater. I was hoping you could take a quick look at the info I found and let me know if you ever heard of it or raise any red flags. It states non-hazardous but want to make sure it couldn't fall into a subpart A category.

Thanks

Mike

Knauss, Elizabeth

From: Ruede, Richard [Richard.Ruede@lakelandgov.net]
Sent: Tuesday, July 31, 2012 8:01 AM
To: Knauss, Elizabeth
Subject: RE: Hazardous Waste Inspection Follow-up

Beth,

We sent a letter to AC requesting information on TAW and the loads they received from them. The wastes would have fallen under the Subpart A Metal-bearing wastewater since the acid etching (phosphatizing) would be a metal finishing wastewater if it were sent to a POTW so it would be as well if going to a CWT facility.

AC has responded with a quick e-mail and is going to follow up with a letter. They say that this waste was delivered to the Tampa facility, not Lakeland, and that it was only the caustic cleaning water, not the acid etching water. They say that have a signed certification or something stating this from TAW when I talked to Mike on the phone....

I will keep you informed if we get more information from AC...

Rick

From: Knauss, Elizabeth [mailto:Elizabeth.Knauss@dep.state.fl.us]
Sent: Monday, July 16, 2012 8:56 AM
To: Ruede, Richard
Subject: FW: Hazardous Waste Inspection Follow-up

FYI - One of my staff sent me this.

Tampa Armature Works is sending surface finishing waste water to Aqua Clean. There were shipments in April and June of this year, as well as earlier shipments. These are from caustic cleaning and acid etching prior to powder coating metal parts.

From: Nipper, Rebecca
Sent: Friday, July 13, 2012 5:10 PM
To: Knauss, Elizabeth
Subject: FW: Hazardous Waste Inspection Follow-up

From: Don Chrosniak [mailto:Don.Chrosniak@tawinc.com]
Sent: Friday, July 13, 2012 5:00 PM
To: Nipper, Rebecca
Cc: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

Rebecca,

Please find the requested manifests on the wastewater for Aqua Clean along with the sampling results.

Have a nice weekend!

Don Chrosniak | Training and Risk Manager
Tampa Armature Works, Inc.
6312 78th Street | Riverview, FL 33578
tel: 813-621-5661 x2876 | fax: 813-217-8076
Don.Chrosniak@tawinc.com | http://www.tawinc.com

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From: Nipper, Rebecca [mailto:Rebecca.Nipper@dep.state.fl.us]
Sent: Friday, July 13, 2012 3:21 PM
To: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

Hi Don,

New request for the waste water from your spray booth. Can you please send me copies of the manifests from AquaClean for the past year as well as any waste determinations, analyticals or waste profiles that have been filled out on this waste stream for AquaClean.

Thanks.

Rebecca

From: Don Chrosniak [mailto:Don.Chrosniak@tawinc.com]
Sent: Friday, July 13, 2012 8:17 AM
To: Nipper, Rebecca
Subject: RE: Hazardous Waste Inspection Follow-up

Your welcome Rebecca,


07/30/2012


07/30/2012


07/30/2012


07/30/2012


Drained
Used Oil
Filter
07/30/2012


NO SMOKING
07/30/2012


07/30/2012


07/30/2012

Knauss, Elizabeth

From: Noble, Ron [rnoble@fowlerwhite.com]
Sent: Friday, July 27, 2012 4:54 PM
To: Knauss, Elizabeth
Cc: Dregne, James
Subject: RE: Hazardous Waste Inspection Follow-up

Beth:

The shipping paper (second copy) was revised by the driver the same day to show the load was not going to Tampa but rather to Lakeland.

TAW should have copies of both. One will be marked out to show the water was sent to Tampa rather than Lakeland.

Thanks,

Ron

FOWLER WHITE BOGGS

Ron Noble
Fowler White Boggs P.A.
501 E. Kennedy Blvd, Suite 1700
Tampa, Florida 33602
Direct: 813 222 1175
Fax: 813 229 8313
www.fowlerwhite.com

From: Knauss, Elizabeth [mailto:Elizabeth.Knauss@dep.state.fl.us]
Sent: Wednesday, July 25, 2012 4:58 PM
To: Noble, Ron
Cc: Dregne, James
Subject: FW: Hazardous Waste Inspection Follow-up

Ron – per our discussion earlier, attached are copies of the shipping papers for the material from Tampa Armature Works. The papers indicate some went to Tampa, but a load last month went to Lakeland, according to the shipping paper.

I will also be forwarding another message about TAW's process.

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Sent: Friday, July 13, 2012 5:10 PM
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Subject: FW: Hazardous Waste Inspection Follow-up

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Thanks.

Knauss, Elizabeth

From: Noble, Ron [rnoble@fowlerwhite.com]
Sent: Friday, July 27, 2012 11:36 AM
To: Knauss, Elizabeth; Dregne, James
Subject: Tampa Armature Works/Aqua Clean

Beth and Jim:

Thank you for forwarding the additional information on Tampa Armature Works ("TAW") and the wastewaters delivered to Aqua Clean. We do not intend to engage in any discussions or debate with the Department or TAW regarding the characterization of this wastewater as Subpart A Metals Sub-category for purposes of the CWT provisions. However, we do want to provide the Department additional information regarding the four loads of wastewater generated by TAW which was picked up by Aqua Clean. As an initial matter, please be advised that all of this wastewater was disposed at Aqua Clean's Tampa facility based upon our initial review of the pertinent customer files and records.

When this customer account was first set up, Bob Torok of Aqua Clean visited the TAW facility to gain additional information regarding the source of the wastewater and the process by which it was generated. Mr. Torok was given a tour of the TAW paint shop and told the wastewater generated for collection by Aqua Clean would be process water from the paint shop generated from the washing of the paint shop walls. In addition, Aqua Clean has analytical test results for this wastewater which shows no metals present in excess of any applicable standards or CWT criteria.

In addition, TAW provided Aqua Clean a Material Data Certification Sheet which describes the Material Composition and Component as "process wastewater paint shop". The Material Data Certification Sheet further stated "no etching/no electroplating pressure washing of parts". This Certification Sheet was executed by Mr. Robert M. Kelly on January 1, 2012.

Finally, when the Aqua Clean's driver arrives at TAW, he does not enter the facility, but rather is directed to storage tanks behind the building. The Aqua Clean driver is directed to collect wastewater from two storage tanks that are labeled "wastewater" and there is a third storage tank labeled "chemicals" from which the Aqua Clean driver has never collected any materials. Please let me know if the Department needs any additional information in connection with this issue.

Thanks,

Ron

FOWLER WHITE BOGGS

Ron H. Noble, Esquire
Fowler White Boggs P.A.
501 E. Kennedy Blvd, Suite 1700
Tampa, Florida 33602
Direct: 813 222 1175
Fax: 813 229 8313
rnoble@fowlerwhite.com
www.fowlerwhite.com

Disclaimer under IRS Circular 230: Unless expressly stated otherwise in this transmission, nothing contained in this message is intended or written to be used, nor may it be relied upon or used, (1) by any taxpayer for the purpose of avoiding penalties that may be imposed on the taxpayer under the Internal Revenue Code of 1986, as amended and/or (2) by any person to support the promotion or marketing of or to recommend any Federal tax transaction(s) or matter(s) addressed in this message.
If you desire a formal opinion on a particular tax matter for the purpose of avoiding the imposition of any penalties, we will discuss the additional Treasury requirements that must be met and whether it is possible to meet those requirements under the circumstances, as well as the anticipated time and additional fees involved.

Knauss, Elizabeth

From: Noble, Ron [rnoble@fowlerwhite.com]
Sent: Wednesday, July 25, 2012 5:03 PM
To: Knauss, Elizabeth
Cc: Dregne, James
Subject: RE: Hazardous Waste Inspection Follow-up

Thanks Beth:

We are still reviewing Aqua Clean's internal records and will have additional information put together by the end of this week. So far, it appears that all of these loads went to Tampa. I have already discussed this issue with john Daly at the City of Tampa, and I told him you might be calling him as well,

Ron

FOWLER WHITE BOGGS

Ron Noble
Fowler White Boggs P.A.
501 E. Kennedy Blvd, Suite 1700
Tampa, Florida 33602
Direct: 813 222 1175
Fax: 813 229 8313
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I will also be forwarding another message about TAW's process.

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To: Knauss, Elizabeth
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Cc: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

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Have a nice weekend!

Don Chrosniak | Training and Risk Manager
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From: Nipper, Rebecca [mailto:Rebecca.Nipper@dep.state.fl.us]
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Hi Don,

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Thanks.

Rebecca

Knauss, Elizabeth

From: John Daily [John.Daily@ci.tampa.fl.us]
Sent: Monday, July 23, 2012 9:43 AM
To: Knauss, Elizabeth
Subject: Re: Aqua Clean
Attachments: DOC072312-001.pdf

Hi Beth,

Attached is a copy of the Industrial Wastewater Discharge permit the city recently issued to Aqua Clean.

John Daily
Environmental Lab Supervisor
City of Tampa
Wastewater Department
2700 Maritime Blvd.
Tampa, FL 33605

813-247-3451, ext. 55222 Office
813-918-6577 Mobile
813-248-5269 Fax

John.Daily@ci.tampa.fl.us

>>> "Knauss, Elizabeth" <Elizabeth.Knauss@dep.state.fl.us> 7/23/2012 9:10 AM >>>
Hi, John,

Per my call, can you please send me a copy of Aqua Clean's pretreatment permit for their facility on 19th St.?

Thanks!

Beth Knauss
Hazardous Waste Program
FDEP – SW District
813/632-7600 ext. 383

CITY OF TAMPA

Bob Buckhorn, Mayor

Wastewater Department

Anthony L. Kasper, P.E.
Director

Mr. Mike Zellars
Aqua Clean Environmental Co., Inc.
3210 Whitten Rd.
Lakeland, FL 33811

July 6, 2012

Re: Issuance of an Industrial Wastewater Discharge Permit to Aqua Clean Environmental Co., Inc., by the City of Tampa, Wastewater Department.

Dear Mr. Zellars:

The enclosed issued permit, No. 1107, governs the wastewater discharge from the facility located at 1008 19th St., Tampa, Florida 33605, into the City of Tampa's wastewater collection system. All discharges from this facility and actions and reports relating thereto shall be in accordance with the terms and conditions of this permit.

There are two copies of the "Acceptance of Permit" page at the end of the discharge permit with a block reserved for your signature indicating acceptance of the limitations and conditions specified in the permit. Please sign both copies of the page, retain one copy with the permit, and return one of the signed copies to Mr. John Daily, City of Tampa, Industrial Waste Section, 2700 Maritime Blvd., Tampa, FL 33605.

If you have any questions about this permit please do not hesitate to contact Mr. Daily at (813) 247-3451, ext. 55222.

Sincerely,

Anthony L. Kasper, P.E.
Director
Wastewater Department

ALK:jmd

CITY OF TAMPA

WASTEWATER DEPARTMENT

INDUSTRIAL WASTEWATER DISCHARGE PERMIT

City of Tampa
Wastewater Department
Industrial Wastewater Discharge Permit

Cover Page

Permit No. 1107

In accordance with the provisions of Section 26-122 of the City of Tampa Code:

Company Name Aqua Clean Environmental Co., Inc.

Address 1008 19th St.

Tampa, FL 33605

Telephone Number (863) 712-6635

Name of Applicant Mike Zellars

Aqua Clean Environmental Co., Inc., a Florida Profit Corporation, with principal place of business located at 1008 19th St., Tampa, Florida 33605, herein referred to as "permittee," is hereby authorized to discharge industrial wastewater from the above identified facility and through the outfalls identified herein, and hereinafter referred to as "facility," into the City of Tampa sewer system in accordance with the conditions set forth in this Industrial Wastewater Discharge Permit, hereinafter referred to as the "permit." Issuance of this permit shall not be construed as a representation by the City of Tampa that the permittee herein complies with the terms and conditions of this permit, and does not relieve the permittee of its obligation to comply with all Federal and State pretreatment standards or requirements or with other applicable requirements under Federal, State, and/or local laws, rules, and regulations, including, but not limited to, Chapter 26 of the City of Tampa Code, and the provisions of the City of Tampa Wastewater Department Technical Manual (Manual of Standards for Industrial and Special Users) as updated April 2006, as amended, hereinafter referred to as the "Technical Manual." Compliance with this permit does not relieve the permittee of responsibility for compliance with all applicable Federal and State pretreatment standards, including those which become effective during the term of this permit. Noncompliance with any term or condition of this permit shall constitute a violation of Chapter 26 of the City of Tampa Code entitled "Utilities" and the Technical Manual.

This permit shall become effective on July 1, 2012
and shall expire at midnight on June 30, 2014

If the permittee wishes to continue to discharge after the expiration date of this permit, an application must be filed for a renewal permit a minimum of ninety (90) days, in accordance with the requirements of Section 4.5 of the above described Technical Manual, prior to the expiration date.

Director
Wastewater Department

03/10/12
Date

Industry Name Aqua Clean Environmental Co., Inc. Permit No. 1107

PART 1 - APPLICABLE EFFLUENT LIMITATIONS

SECTION 1 - EFFLUENT DISCHARGE LIMITS

A. During the period of this permit, the permittee is authorized to discharge process wastewater to the City of Tampa from only the outfall described below.

Description of outfalls:

Outfall	Description
001	Outfall 001 is the manhole located at the northeast corner of the facility. All process wastewater from the water storage tanks is discharged to the City of Tampa from this outfall.

B. During the period of this permit the discharge from outfall 001 must comply with the following pretreatment regulations established in 40 CFR Part 437 - Subpart C (Centralized Waste Treatment Point Source Category - Organics Treatment and Recovery).

40 CFR Part 437 - Subpart C
Centralized Waste Treatment Point Source Category - Organics Treatment and Recovery
437.36 Pretreatment Standards for New Sources (PSNS)

Parameter	Maximum Daily Milligrams per liter (mg/l)	Maximum Monthly Avg. Milligrams per liter (mg/l)
o-Cresol	1.92	0.561
p-Cresol	0.698	0.205
2,4,6-Trichlorophenol	0.155	0.106

C. During the period of this permit the discharge from the facility at the point where the discharge enters the City's sanitary sewer system shall not exceed the following effluent limitations. In addition, the discharge shall comply with all applicable regulations and standards contained in Chapter 26, City of Tampa code.

Parameter	Daily Maximum mg/l
Arsenic as As	0.21
Beryllium as Be	0.001
Cadmium as Cd	0.13
Chromium as Cr (Total)	2.77
Copper as Cu	0.67
Lead as Pb	0.80
Mercury as Hg	0.0002
Molybdenum as Mo	0.10
Nickel as Ni	0.42
Selenium as Se	0.47
Silver as Ag	1.80
Zinc as Zn	4.60
Oil & Grease (Mineral fraction)	100.0
pH	6.0 - 11.0

PART 2 - MONITORING AND REPORTING REQUIREMENTS

SECTION 1 - MONITORING REQUIREMENTS

A During the period of this permit, the permittee shall monitor outfall 001 for the following:

Parameter	Location	Frequency	Sample Type
pH	(1)	(2) Quarterly	(3) Grab
o-Cresol	(1)	(2) Quarterly	(3) Grab
p-Cresol	(1)	(2) Quarterly	(3) Grab
2,4,6-Trichlorophenol	(1)	(2) Quarterly	(3) Grab
Purgeable Organics	(1)	(2) Quarterly	(3) Grab
Total Dissolved Solids	(1)	(2) Quarterly	(3) Grab
Chloride	(1)	(2) Quarterly	(3) Grab

(1) - Outfall 001

(2) - January, April, July, and October

(3) - Definitions of sample types are located in PART 4 SECTION 1 of this permit.

B. All activities related to sampling and analysis shall be performed in accordance with Chapter 62-160, F.A.C. and 40 CFR 136 as appropriate. Sample collection methods shall be consistent with the standard operating procedures defined in the most recent revisions of DEP-SOP-001/01. Analyses must be performed by a laboratory certified by the State of Florida, Department of Health, Bureau of Laboratories, to be in compliance with the NELAC Standards and FAC Rule 64E-1 regulations for the examination of environmental samples in the appropriate category.

1. *o-Cresol, p-Cresol, and 2,4,6-Trichlorophenol* shall be analyzed in accordance with EPA Method 625.
2. *Purgeable Organics* shall be analyzed in accordance with EPA Method 624.

SECTION 2 - REPORTING REQUIREMENTS

A. Monitoring Reports

1. Analytical monitoring results obtained shall be summarized and reported as follows:

   a. Monitoring reports shall be submitted within 30 days of receiving the analytical data. The report shall include:

      - copies of the analytical results and the sample chain of custody form, and
      - a signed cover sheet with the certification statement established in PART 4 SECTION 4 (E) of this permit.

B. Pursuant to the reporting requirements of 62-625.600(6)(e) F.A.C., the results of all monitoring performed more frequently than required by this permit, using test procedures approved under PART 2 SECTION 1 (B), shall be submitted with the report.

C. When a self-monitoring report shows any violation of the applicable standards included in PART 1 of this permit, the permittee must resample and submit both results within thirty (30) days of receiving original sample results, except the permittee is not required to resample if:

   (1) The City of Tampa performs sampling at the permittee at a frequency of at least once per month, or

   (2) The City of Tampa performs sampling at the permittee between the time when the permittee performs its initial sampling and the time when the permittee receives the results of this sampling.

D. **The permittee must notify the City of Tampa, Wastewater Department, Industrial Waste Section by telephone, within twenty-four (24) hours of receipt of monitoring results, if the results indicate any violation of applicable standards. The current telephone number at date of issuance of this permit is (813) 247-3451.**

   It shall be the permittee's responsibility to ensure that it has updated contact information for the City of Tampa, Wastewater Department, Industrial Waste Section in order to provide all required verbal and written notices as required under this permit.

E. Signatory requirements are established in PART 4 SECTION 4 (E) of this permit.

F. Accidental Discharge Report

1. The permittee shall notify the City of Tampa, Wastewater Department, Industrial Waste Section, immediately upon its having knowledge of the occurrence of an upset, slug discharge, or accidental discharge of substances regulated by this permit or prohibited by Chapter 26, City of Tampa Code. At all times the City of Tampa, Wastewater Department, Industrial Waste Section shall be notified by telephone (currently 813-247-3451 at date of issuance of this permit, or as changed) during the term of this permit. The notification shall include location of discharge, date and time thereof, the type of waste, including concentration and volume, and corrective actions taken.

2. Within five (5) days following such discharge, the permittee shall submit to the City of Tampa, Wastewater Department, Industrial Waste Section a detailed written report. The report shall specify:

   a. Description and cause of the upset, slug or accidental discharge, the cause thereof, and the impact on the permittee's compliance status. The description should also include location of discharge, type, concentration and volume of waste.

   b. Duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance continues, the time by which compliance is reasonably expected to occur.

   c. All steps taken or to be taken to reduce, eliminate, and prevent recurrence of such an upset, slug, accidental discharge, or other conditions of non-compliance.

   d. All written reports required of this permit shall be submitted to:

      City of Tampa
      Industrial Waste Section
      2700 Maritime Blvd.
      Tampa, FL 33605.

   e. Such notifications shall not relieve the user of any expense, loss, damage, or other liability which may be incurred as a result of damage to the City of Tampa's Publicly Owned Treatment Works (hereinafter referred to as "POTW"), natural resources, or any other liability which may be imposed pursuant to the Technical Manual.

3. A notice shall be permanently posted on the user's bulletin board, or other prominent place, advising employees who to call in the event of a discharge described in paragraph 1. above. Permittee shall insure that all employees who may cause or suffer such an accidental discharge to occur are advised of emergency notification procedures.

PART 3 - SPECIAL CONDITIONS / COMPLIANCE SCHEDULES

1. The total volume of wastewater discharged to the City of Tampa wastewater treatment system by the permittee shall not exceed 125,000 gallons per day unless expressly authorized otherwise by the City.

2. It shall be the goal of the permittee to avoid discharging wastewater having a concentration of Total Dissolved Solids exceeding 20,000 mg/l by blending different sources of wastewater or by other means. The concentration of Total Dissolved Solids in any wastewater discharged by the permittee over and above an initial 75,000 gallons per day shall not exceed 7,500 mg/l.

3. The City of Tampa, at its discretion, may collect split samples of wastewater.

PART 4 - STANDARD CONDITIONS

SECTION 1 - DEFINITIONS

A. AWTP - Advanced Wastewater Treatment Plant

B. Composite sample - shall mean a sample collected over time, formed either by continuous sampling or by mixing discrete samples. A minimum of eight (8) discrete grab samples shall be collected at equally spaced one (1) hour intervals, per operating shift, and proportioned according to flow. The use of a properly operated automatic composite sampler is acceptable.

C. Daily maximum - shall mean the results of one day sampling, either a single grab sample or composite sample during a twenty-four hour period.

D. Grab sample - shall mean a single "dip and take" sample collected at a representative point in a wastestream without regard to the flow in the wastestream and over a period of time not to exceed fifteen (15) minutes. Daily pH monitoring may be performed by either grab sample or continuous pH electrometric probe monitoring.

E. Monthly average - shall mean the average results of all sampling, either grab samples or 24-hour composite samples, taken during a calendar month

F. POTW - Publicly Owned Treatment Works - shall mean a treatment works as defined by Section 212 of the Act, which is owned by a state or municipality (as defined by Section 502(4) of the Act). POTW as used in this permit references the City of Tampa's Treatment Works.

G. Slug discharge - shall mean any discharge of a nonroutine, episodic nature, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions.

H. Upset – shall mean an exceptional incident in which there is unintentional and temporary noncompliance with categorical pretreatment standards because of factors beyond reasonable control of the industrial user.

SECTION 2 - GENERAL CONDITIONS

A. Duty to Comply

The permittee must comply with all conditions of this permit, Chapter 26 of the City of Tampa Code, the Technical Manual, and all applicable Federal, State, or local laws, rules, and regulations in effect at the time of issuance of this permit, and that may become effective during the term of this permit.

Any violation of the terms and conditions of this permit shall be deemed a violation of the Technical Manual and subjects the permittee, or any other person, to the sanctions set forth in Sections 10 and 11 of the Technical Manual and/or as set forth in Part 4, Section 6 of this permit entitled "Enforcement."

Failure to comply with the terms and conditions of this permit, Chapter 26 of the City of Tampa Code, the Technical Manual, and all applicable Federal, State, and/or local laws, rules and regulations may subject the permittee to administrative or judicial enforcement remedies. Administrative enforcement remedies include, but are not limited to, the suspension, modification and/or revocation of this permit. Judicial enforcement remedies include, but are not limited to, civil or criminal penalties, injunctive relief, and/or other legal remedies and relief as provided by law. These remedies are not exclusive and any, all, or any combination of these actions may be taken against a noncompliant permittee or against any other person when circumstances warrant by the City of Tampa. See Sections 10 and 11 of the Technical Manual.

B. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment, public health, worker health and safety, and POTW resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.

C. Permit Action

This permit may be modified, revoked and reissued, or terminated for causes including, but not limited to, the following:

1. Violation of any terms or conditions of this permit, the Technical Manual, Chapter 26 of the City of Tampa Code, any applicable pretreatment standard or requirement, Federal, State, and/or local law, rules and regulations.

2. Transfer of facility ownership or operation to a new owner or operator.

3. Misrepresentations or failure to fully disclose all relevant facts in the permit application or in any required reporting under the terms and conditions of this permit, the Technical Manual, Chapter 26 of the City of Tampa Code, any applicable pretreatment standard or requirement, Federal, State, and/or local law, rules, and regulations.

4. A change in any condition of the discharge or POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

5. Information indicating that the permitted discharge poses a threat to human health or welfare, worker health or safety, receiving waters, environment, POTW, or real property.

6. Upon request of the permittee, provided such request does not create a violation of any existing applicable requirements, standards, laws, or rules and regulations;

7. Material or substantial alterations or additions to the dischargers operation that adversely impact the wastewater discharge and which were not in existence as of the date of the issued permit;

8. To incorporate any new or revised Federal, State, or local pretreatment standards or requirements, to protect the operation of the treatment plant;

9. Wastewater discharge volumes that have an average change of 20% or more during a six month period. (For new industries, the baseline monitoring report can be used to determine if an average change in discharge volume has exceeded 20% during the first six months of operation.)

10. To correct typographical or other errors in the wastewater discharge permit.

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

D. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, and/or local laws, rules, or regulations.

E. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

F. Limitation on Permit Transfer

Industrial Wastewater Discharge Permits are issued to a specific user for a specific operation and are not assignable or transferable to any other user. The permittee must inform the Tampa Wastewater Director at least thirty (30) days in advance of all proposed owner/operator transfers.

G. Dilution

No permittee shall increase the use of potable or process water, or in any way attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit.

H. Duty To Reapply

If the permittee desires to continue to discharge after the expiration of this permit, the permittee shall reapply on the application forms then in use in accordance with Section 5.4 of the Technical Manual at least ninety (90) days before this permit expires. Under no circumstances shall the permittee continue to discharge after the expiration of the permit, unless reapplication was submitted as required, and the City of Tampa's Wastewater Director provides permittee with written authorization for the temporary extension of this permit until the new permit is issued.

I. Personnel Safety

The permittee shall provide safe inspection conditions for City of Tampa, and/or any State or Federal pretreatment program personnel, agents, and /or their designated representatives and shall provide such personnel with all necessary safety information regarding the facility's safety policy pertaining to required personal safety gear.

J. Requirement to Control Slug Discharges

The City of Tampa will evaluate whether the permittee needs a plan to control slug discharges. If the City of Tampa decides that a slug control plan is needed, the plan shall contain, at a minimum, the following elements:

1. Description of discharge practices, including nonroutine batch discharges.

2. Description of stored chemicals and containment areas.

3. Procedures for immediately notifying the City of Tampa Wastewater Department of slug discharges, including any discharge that would violate any applicable regulation or standard expressed in Chapter 26, City of Tampa code, with procedures for follow-up written notification within five days.

4. If necessary, procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant run-off, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants (including solvents), or measures and equipment for emergency response.

SECTION 3 - OPERATIONS AND MAINTENANCE OF POLLUTION CONTROLS

A. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes but is not limited to: effective performance,

adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

B. Duty to Halt or Reduce Activity

Upon reduction, loss or failure of the pretreatment facility, the permittee shall, to the extent necessary to maintain compliance with its permit, control production or all discharges or both until operation of the pretreatment facility is restored. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

C. Bypass of Treatment Facilities

1. Bypass is prohibited unless it is unavoidable to prevent loss of life, personal injury, severe property damage, or no feasible alternative exists, and the permittee submitted notices as required by paragraph 3 below. No feasible alternative exists to the bypass means for instance, the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. The requirement of no feasible alternative is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance. Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can be reasonably expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

2. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause pretreatment standards or requirements to be violated, such as exceedances of effluent limitations, but only if it is also for essential maintenance to assure efficient operation.

3. Notification of bypass:

- Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior written notice, at least ten (10) days before the date of the bypass, if possible, to the City of Tampa, Wastewater Department, Industrial Waste Section (addresses specified in PART 2 SECTION 2 (E) of this permit).

- Unanticipated bypass. The permittee shall immediately notify the City of Tampa, Wastewater Department, Industrial Waste Section orally of any unanticipated bypass that exceeds applicable pretreatment standards within twenty-four (24) hours from the time it becomes aware of the bypass. A written submission shall also be provided within five (5) days of the time the permittee becomes aware of

the bypass to the City of Tampa, Wastewater Department, Industrial Waste Section as specified in PART 2 SECTION 2 (E) of this permit. The written submission shall contain a description of the bypass and its cause, the duration of the bypass, including exact dates and times, and if the bypass has not been corrected, the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate and prevent reoccurrence of this bypass.

D. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act.

SECTION 4 - MONITORING AND RECORDS

A. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. Samples for oil and grease, temperature, pH, cyanide, phenols, sulfides, and volatile organic compounds must be obtained using grab sample techniques. The sampling shall be done on a day of normal to maximum process operation. All samples shall be taken at the monitoring points specified in this permit and, unless otherwise specified, before the effluent joins or is diluted by any other wastestream, body of water or substance. Monitoring points shall not be changed without notification to and the approval of the City of Tampa.

B. Inspection and Entry

The permittee shall allow the City of Tampa's employees, agents, and/or authorized representative(s), upon the presentation of a City of Tampa employee photo-identification card, ready access to all parts of its' premises for the purposes of inspection, sampling, records examination and copying, and the performance of any additional duties, including, but not limited to the following:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the requirements and terms and conditions of this permit;

2. Have access to and copy any records that must be kept under the requirements and terms and conditions of this permit;

3. Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit;

4. Sample or monitor, for the purposes of assuring permit compliance, any substances or parameters at any location;

5. The Wastewater Director of the City of Tampa shall have the right to set up on the user's property, or require the installation of, such devices as are necessary to conduct sampling and/or metering of the permittee's operation;

6. The Wastewater Director of the City of Tampa may require the user to install monitoring equipment as necessary. The facility's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by the user at its own expense. All devices used to measure wastewater flow and quality shall be calibrated regularly to ensure their accuracy; and

7. Inspect any production, manufacturing, fabricating or storage area where pollutants, regulated under the permit, could originate.

C. Retention of Records

1. The permittee shall retain and make available for inspection and copying, records of all information obtained pursuant to any monitoring activities required by this permit, Technical Manual, Federal, State, or local laws, and/or any other records of information obtained pursuant to monitoring activities undertaken by permittee independent of such requirements, including all calibration and maintenance records, all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the City of Tampa at any time.

2. All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the City of Tampa shall be retained and preserved by the permittee until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.

D. Record Contents

Records of sampling information shall include:

1. The date, exact place, time and methods of sampling or measurements, and sample preservation techniques or procedures;

2. The name of the person who performed the sampling or measurements;

3. The date(s) analyses were performed;

4. The name of the person who performed the analyses;

5. The analytical techniques or methods used;

6. The results of such analyses; and

7. Proper chain of custody documentation.

E. Signatory Requirements

All applications, permits, reports or information submitted to the City of Tampa shall be signed and certified as indicated below:

1. By the owner or an authorized representative of the industrial user. An authorized representative of an industrial user shall mean:

   a. A president, secretary, treasurer or vice president of a corporation in charge of a principal business function, or any person who performs a similar policy-or decision-making function for the corporation.

   b. A manager of one or more manufacturing, production or operation facilities employing more than two hundred and fifty (250) persons, or having gross annual sales or expenditures exceeding twenty five million dollars ($25,000,000.00), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

   c. A general partner or proprietor if the industrial user is a partnership or sole proprietorship respectively.

   d. A duly authorized representative of a person indicated in (a), (b) or (c) above if authorization has been made in writing on a prescribed authorization form submitted to the City of Tampa Industrial Waste Section. (Should authorization no longer be accurate because a different individual or position has responsibility for environmental matters for the company, a new authorization form for the new representative must be submitted to the City of Tampa, Wastewater Department, Industrial Waste Section.)

2. Certification. Any person signing a document required by this permit shall make the following certification:

   "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3. Any change in signature of an authorized representative of the permittee shall be submitted to the City of Tampa, Wastewater Department, Industrial Waste Section in writing within thirty (30) days after the change.

F. Falsifying Information

Any person who knowingly makes any false statements, representation, or certification in any application, record, report, or other document filed or required to be maintained pursuant to the requirements and conditions of Chapter 26 of the City of Tampa Code, Technical Manual, or as required by the terms and conditions of this permit, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method pursuant to Chapter 26 of the City of Tampa Code, Technical Manual, or as required by the terms and conditions of this permit, shall upon conviction be subject to a penalty in an amount not to exceed One Thousand Dollars ($1000.00), or by imprisonment of not more than six (6) months or by both.

SECTION 5 - ADDITIONAL REPORTING REQUIREMENTS

A. Planned Changes

The permittee shall give notice to the Wastewater Director of the City of Tampa of any planned significant changes to the permittee's operations or system which might alter the nature, quality, or volume of its wastewater, at least ninety (90) days before the change.

1. The Wastewater Director of the City of Tampa may require the user to submit such information as may be deemed necessary to evaluate the changed condition, including the submission of a wastewater discharge permit application under Section 4.5of the Technical Manual.

2. The Wastewater Director of the City of Tampa may issue a wastewater discharge permit under Section 4.7 of the Technical Manual or modify an existing wastewater discharge permit under Section 5.3 of the Technical Manual in response to changed conditions or anticipated changed conditions.

3. For purposes of this requirement, significant changes include, but are not limited to, flow increases of twenty percent (20%) or greater, and the discharge of any previously unreported pollutants.

B. Duty to Provide Information

The permittee shall furnish to the City of Tampa, within a reasonable time, at a frequency determined by the Wastewater Director, any information which the City of Tampa may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the City of Tampa upon request, copies of records required to be kept by this permit.

SECTION 6 - ENFORCEMENT

A. Recovery of Damages

The permittee, violating any of the provisions of this permit, such as, but not limited to violations of the effluent discharge limits, and/or violations of the requirements of Chapter 26, of the City of Tampa Code, the Technical Manual, Federal, State, and/or local laws, rules, and regulations, as amended, causing a discharge producing a deposit or obstruction, and/or causing damage to or otherwise inhibiting the City of Tampa's POTW, Treatment Works, and/or other infrastructure, caused by such violation or discharge, and/or any other action or nonaction by permittee, its employees, agents, representatives, or other persons, that lead to any type or nature of damages, expense, loss, costs, and/or penalty to be suffered by the City of Tampa, the City of Tampa shall bill the permittee for the costs incurred for any cleaning, repair, or replacement work caused by the violation or discharge, and/or for any other type of expense loss, damage, and/or penalty as described above. Refusal to pay the assessed costs shall constitute a violation of the terms and conditions of this permit, Chapter 26 of the City of Tampa Code, and the Technical Manual.

The City of Tampa may recover reasonable attorney fees, court costs, court reporter fees, and other expenses of litigation by appropriate suit at law against the permittee or person found in violation of the terms and conditions of the permit, Chapter 26, of the City of Tampa Code, Technical Manual, and applicable Federal, State, and/or local laws, rules, and regulations.

B. Civil and Criminal Liability

Nothing in this permit shall be construed to relieve the permittee from civil and/or criminal penalties for non-compliance with this permit, and applicable requirements under Chapter 26 of the City of Tampa Code, Technical Manual, Federal, State, and local laws, rules, and regulations.

C. Penalties for Violations

Pursuant to Chapter 26 of the City of Tampa Code, and the Technical Manual, any person who is found to have violated any condition of the permit issued under the requirements of Chapter 26 of the City of Tampa Code, and the Technical Manual, is subject to a penalty in the amount of at least One Thousand Dollars ($1000.00) per day, or by imprisonment for a period not exceeding six (6) months, or by both, for each offense. Each separate violation shall constitute a separate offense and upon conviction of a specified ordinance violation, each day of violation shall constitute a separate violation.

AUTHORIZATION OF APPROVED REPRESENTATIVE

Industrial User Name _____

Address _____

_____

_____

Date _____

Discharge Permit No. _____

To: Industrial Waste Division
City of Tampa
2700 Maritime Blvd.
Tampa, FL 33605

I, Mike Zellars, hereby certify that I am a responsible corporate officer, manager, general partner or proprietor of the above named company and that I am in charge of principal business functions and am able to perform policy and decision making functions for the company.

I hereby duly authorize Bob Torok, whose signature also appears below to be my representative. I authorize my representative to sign all Industrial Pretreatment self-monitoring certification statements on my behalf.

Signed M. Zellars

Title Vice President/General Mgr.

Signature of Authorized Representative _____

Title of Representative Operations Manager

Industry Name Aqua Clean Environmental Co., Inc. Permit No. 1107

Acceptance of Permit

Aqua Clean Environmental Co., Inc. accepts the conditions of the
(name of company)

permit and agrees to meet the conditions herein.

Permit period: July 1, 2012 through June 30, 2014

By M Zellars 7-13-12
(signature) (date)

*Name Mike Zellars

Title General Manager

* Must be the owner or an authorized representative of the company.

Industry Name Aqua Clean Environmental Co., Inc. Permit No. 1107

Acceptance of Permit

Aqua Clean Environmental Co., Inc. accepts the conditions of the
(name of company)

permit and agrees to meet the conditions herein.

Permit period: July 1, 2012 through June 30, 2014

By M Zellars 7-13-12
(signature) (date)

*Name Mike Zellars

Title General Manager

* Must be the owner or an authorized representative of the company.

(Return this signed page to the Industrial Waste Division)

Knauss, Elizabeth

From: Ruede, Richard [Richard.Ruede@lakelandgov.net]
Sent: Tuesday, July 17, 2012 10:28 AM
To: Knauss, Elizabeth
Subject: RE: Tampa Armature Works process info

Thanks Beth...

From: Knauss, Elizabeth [mailto:Elizabeth.Knauss@dep.state.fl.us]
Sent: Tuesday, July 17, 2012 10:01 AM
To: Ruede, Richard
Subject: Tampa Armature Works process info

Per your request

From: Nipper, Rebecca
Sent: Tuesday, July 17, 2012 9:44 AM
To: Knauss, Elizabeth
Subject: FW: Hazardous Waste Inspection Follow-up

From: Don Chrosniak [mailto:Don.Chrosniak@tawinc.com]
Sent: Friday, July 13, 2012 8:17 AM
To: Nipper, Rebecca
Subject: RE: Hazardous Waste Inspection Follow-up

Your welcome Rebecca,

To answer your next question, Secure TEC is the phosphatizer that is used in conjunction with PGA OH a caustic which controls the PH levels. The PH being hauled offsite is between 6.5 and 7.0.

For your convenience, I have attached the MSDS's for both chemicals and a process flow diagram for our file in case you need to explain this process to your supervisor or just for the record.

Sincerely,

Don Chrosniak | Training and Risk Manager
Tampa Armature Works, Inc.
6312 78th Street | Riverview, FL 33578
tel: 813-621-5661 x2876 | fax: 813-217-8076
Don.Chrosniak@tawinc.com | http://www.tawinc.com

Excellence in Creating Innovative Solutions for the Supply, Control and Use of Energy

From: Nipper, Rebecca [mailto:Rebecca.Nipper@dep.state.fl.us]
Sent: Thursday, July 12, 2012 5:13 PM
To: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

Thank you Don,

I have one other questions for you. In Building two the etching booth can you tell me what kind of acid is used and what the pH is of the waste water that is pumped out of the holding tanks by Aqua Clean.

Thanks for your assistance.

From: Don Chrosniak [mailto:Don.Chrosniak@tawinc.com]
Sent: Thursday, July 12, 2012 3:24 PM
To: Nipper, Rebecca
Subject: RE: Hazardous Waste Inspection Follow-up

Hey Rebecca,

I will send you some photos!

Thanks!

Don Chrosniak | Training and Risk Manager
Tampa Armature Works, Inc.
6312 78th Street | Riverview, FL 33578
tel: 813-621-5661 x2876 | fax: 813-217-8076
Don.Chrosniak@tawinc.com | http://www.tawinc.com

Excellence in Creating Innovative Solutions for the Supply, Control and Use of Energy

From: Nipper, Rebecca [mailto:Rebecca.Nipper@dep.state.fl.us]
Sent: Thursday, July 12, 2012 11:22 AM

To: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

Hello Don,

Can you please update me on the status of the used oil storage area. If you could send pictures it would be appreciated. I am trying to close this report rather than having to send out a non-compliance letter.

Thanks,

Rebecca

From: Don Chrosniak [mailto:Don.Chrosniak@tawinc.com]
Sent: Friday, July 06, 2012 3:54 PM
To: Nipper, Rebecca
Cc: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

Hi Rebecca,

After your visit we completed the majority of these findings the very next week according to my list of discrepancies. Please find my responses below next to your questions and find the following attached in this email:

- Hazardous Waste & Spill Control Plan
- Fire Extinguisher and spill containment locations
- Waste Inspection Log
- Waste Inventory Log (We have an on sight scale so Robert and I thought this would be the best way to manage our waste inventory)

Don Chrosniak | Training and Risk Manager
Tampa Armature Works, Inc.
6312 78th Street | Riverview, FL 33578
tel: 813-621-5661 x2876 | fax: 813-217-8076
Don.Chrosniak@tawinc.com | http://www.tawinc.com

Excellence in Creating Innovative Solutions for the Supply, Control and Use of Energy

From: Nipper, Rebecca [mailto:Rebecca.Nipper@dep.state.fl.us]
Sent: Thursday, July 05, 2012 5:02 PM

To: Don Chrosniak
Subject: Hazardous Waste Inspection Follow-up

Hello Don,

I am wrapping up the inspection report from my May 24th inspection and I was wondering what progress you have made with the following areas:

- Conducting weekly container inspections of hazardous waste in storage. **Done**
- Updating you Modified Contingency Plan to include the locations of the Fire Extinguishers and Spill Equipment. **Done**
- Ensuring that all hazardous waste is properly labeled "Hazardous Waste" and have accumulation start dates. **Done**
- Your Universal Waste Lamps are closed and labeled. **Done**
- All Satellite Accumulation containers should be closed and labeled. **Done**
- The secondary containment for the used oil storage being cleaned out and inspected. **In Process - To be completed by Wednesday**

I know I am a little late with this email. But I have attached a template container inspection log.

Also here is a link to the Small Quantity Generator Handbook.
http://www.dep.state.fl.us/waste/quick_topics/publications/shw/hazardous/fact/SQGBook2011Final_express.pdf

If you have any questions please do not hesitate to ask.

Rebecca Nipper

Environmental Specialist II

RCRA Compliance and Enforcement

FDEP Southwest District

13051 North Telecom Parkway

Temple Terrace Fl 33637-0926

(813) 632-7600 ext 372

(813) 632-7664 fax

Please take a few minutes to share your comments on the service you received from the department by clicking on this link DEP Customer Survey.

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CONFIDENTIALITY NOTICE:

SECURE TEC ES

MSDS ID: 00295

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SECURE TEC ES
Product Descriptor: IRON PHOSPHATIZER/CLEANER
MANUFACTURER: JOHNSONDIVERSEY, INC.
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

EMERGENCY PHONE NUMBER: (800) 851-7145

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
PHOSPHORIC ACID	7664-38-2	1 - 5%	TWA 1 STEL 3	MG/M3

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
WARNING - Contains chemicals that cause irritation to eyes and skin. May be harmful if swallowed. Wear eye protection, clothing and rubber gloves to prevent prolonged skin contact. Wash after handling.
POSSIBLE ROUTES OF ENTRY: Not applicable under normal use

SIGNS AND SYMPTOMS OF OVEREXPOSURE
ACUTE: EYES: Severe irritation with redness, pain and swelling. SKIN: Irritation with dryness or itching may develop with pain and redness. INGESTION: If swallowed, gastric distress, diarrhea, nausea and vomiting may occur. INHALATION: Causes irritation of respiratory tract.
CHRONIC: Same as acute effects.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis, sensitive skin, pulmonary function and asthma.
TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin and respiratory tract.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.
SKIN: Flush skin with plenty of water and wash with mild soap. If irritation develops, get medical attention.
INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth. Get immediate medical attention. NOTE: Never give fluids by mouth to an unconscious person.
INHALATION: Remove to fresh air and seek medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): N/A FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/E UEL: N/E
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.
EXTINGUISHING MEDIA: Water spray, CO2, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus SCBA) in fire area.
SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Contain spill. Wear protective clothing. Soak up or absorb liquid on suitable absorbent material. Collect and place in chemical waste container. Dispose of in accordance with local, State and Federal regulations. Flush spill area with water.
This product does not contain a reportable quantity (RQ) under CERCLA.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store in a cool, dry area. Keep from freezing. Keep away from alkalis and chlorinated products. Do not pressurize container to empty.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Safety glasses with side shields. Chemical goggles if contact or splash hazard exists.
PROTECTIVE GLOVES: Acid resistant.
RESPIRATORY PROTECTION: Product does not have any established exposure limits. NIOSH/MSHA approved respirator recommended in enclosed or confined spaces where high air concentration or long exposure may occur.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Eyewash and safety shower in area if contact or splash hazard exists.
ENGINEERING CONTROLS:
VENTILATION: Good general ventilation should be sufficient to control airborne levels.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear to slight yellow green liquid, mild acidic odor.

BOILING POINT (DEG F): >200 FREEZING POINT: <50 F
SPECIFIC GRAVITY/BULK DENSITY: 1.17
pH: 3.01 pH 1% SOLUTION: 3.33
VOLATILE BY VOLUME: 72.5
SOLUBILITY IN WATER: Soluble
VAPOR PRESSURE(mmHg): 17.5 at 20 C VAPOR DENSITY: 17.3

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.
INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of nitrogen; oxides of carbon
HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

TOXICITY TEST DATA:
Phosphoric Acid:
Acute Oral LD50 (rat) - 1530 mg/kg (RTECS)
Acute Skin LD50 (rabbit) - 2740 mg/kg (RTECS)

Monosodium Phosphate:

Acute Oral LD50	(rat)	7100 mg/kg
Acute Dermal LD50	(rabbit)	7940 mg/kg
Eye Irritancy	(rabbit)	1.3/110 (Draize) prac. non irritating
Skin Irritancy	(rabbit)	0.0/8.0 (Draize) non irritating

XII. ECOLOGICAL INFORMATION

Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.
ECOTOXICITY TEST DATA:
Phosphoric Acid:
TLm (48-96 hr.) (Gambusia affinis) 138 mg/l
ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.
Adjust pH of diluted product and discharge to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Triple rinse container with water and add to process. Recycle or dispose of container according to product labeling or Federal, State or local regulations.

XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:
TSCA: All ingredients in this product are on TSCA inventory.
HAPS: NONE
VOC CONTENT (EPA Method 24A): % VOC: 0 Lb/Gal VOC: 0

XV. REGULATORY INFORMATION (Cont.)

CERCLA/EPCRA:
Section 313 Toxic Chemicals:
NONE.
SARA Section 311/312:
ACUTE:YES CHRONIC:NO FIRE:NO REACTIVITY:NO
SUDDEN RELEASE OF PRESSURE:NO
LISTED CARCINOGEN: None
NTP: NO IARC: NO OSHA: NO
HMIS RATINGS: HEALTH: 2 FIRE: 0 REACTIVITY: 0
PERSONAL PROTECTIVE EQUIPMENT: B
NFPA RATING: HEALTH: 1 FIRE: 0 REACTIVITY:0 SPECIAL:ACIDIC
STATE RIGHT-TO-KNOW INFORMATION:
WATER - CAS# 7732-18-5
PHOSPHORIC ACID - CAS# 7664-38-2
MONOSODIUM PHOSPHATE - CAS# 7558-80-7
HYDROXYAMMONIUM SULFATE - CAS# 10039-54-0
SODIUM XYLENE SULFONATE - CAS# 1300-72-7
CALIFORNIA PROPOSITION 65:
None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.

Secure Tec ES

"Energy Saving" Liquid Cleaner/Iron Phosphatizer for Spray Wash Systems

- Saves energy by operating at low temperatures, down to 90° F
- One step cleaning and iron phosphatizing solution, easy to use in 3 stage wash systems
- Multi metal safe; can be used on steel, aluminum, iron, zinc and galvanized metal
- Contains no molybdate and creates no abnormal disposal issues

ISO • QS-9000 Registered Quality Systems

DuBois Chemicals • 1200 Chemed Center • 255 E 5th St • Cincinnati OH 45202-4799 • 24-Hour Customer Service 800 438 2647 • Fax 800 433 5508

R

Secure Tec ES

"Energy Saving" Liquid Cleaner/Iron Phosphatizer for Spray Wash Systems

GENERAL DESCRIPTION:

Secure Tec ES liquid cleaner/iron phosphatizer for spray washers is designed specifically for one-step cleaning and phosphatizing in three stage-spray wash systems at temperatures of 90° to 140° F. Parts manufactured from steel, aluminum, iron, zinc and galvanized metal can all be processed with this product. Secure Tec ES contains no molybdate.

Secure Tec ES will not produce an iron phosphate conversion coating on aluminum, zinc or galvanized metal; however, ith will prepare these metals for painting.

Lower operating temperatures offer the potential for energy savings while maintaining paint surface integrity.

TYPICAL PROPERTIES:

Color (Concentrate)	Clear Liquid
Foaming	Low above 80° F
Odor	Mild
pH (1% solution)	3.33
Rinsability	Excellent
Solubility	Immediate (liquid)
Molybdate	None

USING PROCEDURES:

Use Secure Tec ES at 2%-5% by volume. Actual mix ratios are determined by the soils encountered on the parts being washed. Light soils such as shop soils, water-soluble cutting fluids and rust inhibitors can be cleaned and phosphatized at lower mix ratios. Heavier soils such as straight mineral oils/fatty oils, non-dilutable cutting fluids, drawing compounds and heavier rust preventatives will require higher mix ratios.

Use temperature for Secure Tec ES range from 90° to 140° F. The operating temperature is dependent upon the type of soil on the parts being treated. Oily, greasy parts may require higher operating temperatures.

Time required for cleaning and phosphatizing using Secure Tec ES is approximately one minute.

Charge-Up Instructions:

1. Communicate procedures to all operating personnel
2. Clean and descale chemical tanks
3. Check nozzles for plugging and spray pattern
4. Fill tank above pump intakes and heating surface
5. Turn on heat
6. Continue to fill tank with water, bring temperature to 90°-140° F.
7. Turn on pumps
8. Add Secure Tec ES at 2%-5% by volume
9. Allow to mix for approximately 5-10 minutes
10. Adjust pH of the bath to 4.5-6.0 using Soda Ash
11. Titrate the bath solution and set up control limits for operation
12. Recommunicate procedures to all operating personnel
13. System is ready to operate

TITRATION:

Dropper Method

1. Take 25ml sample from Secure Tec ES operating bath
2. Add 4-5 drops phenolphthalein indicator and swirl
3. Titrate dropwise with 2N NaOH until a pink end point is reached
4. Multiply the number of drops x 0.17 to determine % by volume

MATERIAL SAFETY:

For use on ferrous metals such as iron and steel, it is also used on aluminum, zinc and galvanized.

Spray wash systems can be constructed of mild steel or stainless steel. Pumps should be stainless fitted. Pump impellers, pump shaft, inlet and outlet ports and housing should be made of stainless steel. Bronze or copper should not be used. Cast Iron may be used but it will not last as long as stainless.

STORAGE:

Store at normal room temperature. If accidentally frozen, thaw, roll drum to remix and use.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN:
Please refer to the label and Material Safety Data information for all warnings, recommendations for safety equipment, and other regulatory information. Copies of the Material Safety Data information can be ordered by calling 800 438 2647.

DuBois

ISO • QS-9000 Registered Quality Systems

DuBois Chemicals • 1200 Chemed Center • 255 E 5th St • Cincinnati OH 45202-4799 • 24-Hour Customer Service 800 438 2647 • Fax 800 433 5508

Reorder# 1382291 (080601) • Tech Data

PGA-OH

MSDS ID: 04036

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PGA-OH
PRODUCT DESCRIPTOR: ZINC PHOSPHATIZING ADDITIVE
MANUFACTURER: JOHNSONDIVERSEY, INC.
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241
EMERGENCY PHONE NUMBER: (800) 851-7145

II. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME (CAS NUMBER)	%	EXPOSURE LIMITS	UNITS
SODIUM HYDROXIDE (1310-73-2)	25	TLV C2; PEL C2	MG/M3

III. HAZARDS IDENTIFICATION

ROUTES OF ENTRY: INHALATION: YES
SKIN: YES
INGESTION: YES
SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: MISTS ARE CORROSIVE TO SKIN, EYES AND RESPIRATORY TRACT.
CHRONIC: SAME AS ACUTE
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
SENSITIVE SKIN, EYES AND PULMONARY FUNCTION.

IV. FIRST AID MEASURES

EYES: FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES, GET MEDICAL ATTENTION.
SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. LAUNDER BEFORE REUSE. GET MEDICAL ATTENTION IF NECESSARY.
INGESTION: GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.

V. FIRE FIGHTING MEASURES

FLASH POINT: NONE DEG F
FLAMMABLE LIMITS IN AIR BY VOLUME:
UNUSUAL FIRE OR EXPLOSION HAZARDS:
EXTINGUISHING MEDIA:
FIRE FIGHTING INSTRUCTIONS:

FLAME EXTENSION: N/A IN.
LEL: NONE UEL: NONE
NONE KNOWN
C02, WATER, FOAM
WEAR PROTECTIVE CLOTHING AND SELF CONTAINED BREATHING APPARATUS IN FIRE AREA

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: FLUSH SMALL AMOUNTS TO DRAIN; COLLECT LARGE AMOUNTS, ADJUST pH, DISPOSE RESIIDUE TO SOLID WASTE.

REPORTABLE QUANTITY (R.Q.) OF PRODUCT: 3,999 LBS. OR 377 GAL.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: DO NOT PRESSURE CONTAINER TO EMPTY. KEEP CONTAINER CLOSED. IF FROZEN, THAW AND MIX TO MAKE USABLE. AVOID CONTACT WITH EYES AND SKIN. DO NOT MIX PRODUCT WITH ACIDS OR OTHER CHEMICALS.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: FACE SHIELD OR GOGGLES
PROTECTIVE GLOVES: ALKALI RESISTANT
RESPIRATORY PROTECTION: WEAR NIOSH APPROVED RESPIRATOR IF TLV/PEL LIMITS ARE EXCEEDED.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: RUBBER BOOTS AND/OR APRON IF SPLASHING OCCURS
EXPOSURE GUIDELINES: SEE SECTION II FOR DETAILED INFORMATION.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILIING POINT (F):	280	SPECIFIC GRAVITY:	1.2700
VOLATILE BY VOLUME:	75	SOLUBILITY IN WATER:	100%
VAPOR PRESSURE (MMHG):	17.5	AT 20	
APPEARANCE AND ODOR:	CLEAR COLORLESS LIQUID		

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE
INCOMPATIBILITY WITH OTHER MATERIALS: FLAMMABLE LIQUIDS, ACTIVE METALS, ORGANIC HALOGEN COMPOUNDS, STRONG ACIDS CAUSE VIOLENT REACTIONS.
HAZARDOUS DECOMPOSITION PRODUCTS: CO WITH INCOMPLETE COMBUSTION.
HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

XII. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER, TRIPLE RINSE WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL. pH ADJUSTMENT; NO PHOSPHATES.

XIV. TRANSPORT INFORMATION

HAZARDOUS MATERIALS DESCRIPTION/PROPER SHIPPING NAME:
Please refer to the Bill of Lading/receiving documents for up to date shipping information.

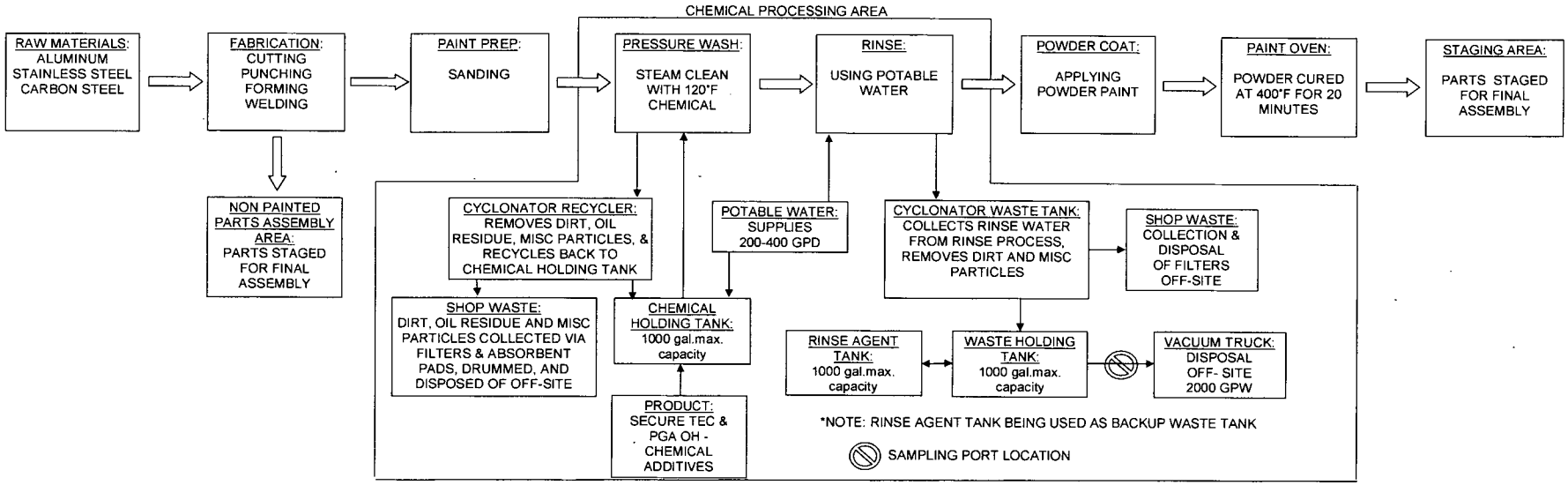
XV. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:
CERCLA/EPCRA:SECTION 313 TOXIC CHEMICALS:
NONE
LISTED CARCINOGEN: NONE
NTP: NO IARC: NO OSHA: NO
HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 1
PERSONAL PROTECTIVE EQUIPMENT: D
STATE RIGHT-TO-KNOW INFORMATION:
SODIUM HYDROXIDE - CAS #1310-73-2
WATER - CAS #7732-18-5

XVI. OTHER INFORMATION

THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED OTHER THAN AS RECOMMENDED BY DIVERSEY LEVER OR IN COMBINATION WITH OTHER MATERIALS. IT IS THE USER'S RESPONSIBILITY TO EVALUATE THE APPLICABILITY OF THIS INFORMATION FOR HIS PARTICULAR CONDITIONS OF STORAGE, HANDLING AND USE.

TAW CUSTOM EQUIPMENT
PROCESS FLOW DIAGRAM



ATTACHMENT 2

Knauss, Elizabeth

From: Knauss, Elizabeth
Sent: Monday, July 16, 2012 8:56 AM
To: 'Ruede, Richard'
Subject: FW: Hazardous Waste Inspection Follow-up
Attachments: CE Tank Sampling Results. J13350 PQL Final Report.pdf; Manifests_CE Tank_Aqua Clean_ 2011.2012.pdf

FYI - One of my staff sent me this.

Tampa Armature Works is sending surface finishing waste water to Aqua Clean. There were shipments in April and June of this year, as well as earlier shipments. These are from caustic cleaning and acid etching prior to powder coating metal parts.

From: Nipper, Rebecca
Sent: Friday, July 13, 2012 5:10 PM
To: Knauss, Elizabeth
Subject: FW: Hazardous Waste Inspection Follow-up

From: Don Chrosniak [mailto:Don.Chrosniak@tawinc.com]
Sent: Friday, July 13, 2012 5:00 PM
To: Nipper, Rebecca
Cc: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

Rebecca,

Please find the requested manifests on the wastewater for Aqua Clean along with the sampling results.

Have a nice weekend!

Don Chrosniak | Training and Risk Manager
Tampa Armature Works, Inc.
6312 78th Street | Riverview, FL 33578
tel: 813-621-5661 x2876 | fax: 813-217-8076
Don.Chrosniak@tawinc.com | http://www.tawinc.com

Excellence in Creating Innovative Solutions for the Supply, Control and Use of Energy

From: Nipper, Rebecca [mailto:Rebecca.Nipper@dep.state.fl.us]
Sent: Friday, July 13, 2012 3:21 PM
To: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

Hi Don,

New request for the waste water from your spray booth. Can you please send me copies of the manifests from AquaClean for the past year as well as any waste determinations, analyticals or waste profiles that have been filled out on this waste stream for AquaClean.

Thanks.

Rebecca

From: Don Chrosniak [mailto:Don.Chrosniak@tawinc.com]
Sent: Friday, July 13, 2012 8:17 AM
To: Nipper, Rebecca
Subject: RE: Hazardous Waste Inspection Follow-up

Your welcome Rebecca,

To answer your next question, Secure TEC is the phosphatizer that is used in conjunction with PGA OH a caustic which controls the PH levels. The PH being hauled offsite is between 6.5 and 7.0.

For your convenience, I have attached the MSDS's for both chemicals and a process flow diagram for our file in case you need to explain this process to your supervisor or just for the record.

Sincerely,

Don Chrosniak | Training and Risk Manager
Tampa Armature Works, Inc.
6312 78th Street | Riverview, FL 33578
tel: 813-621-5661 x2876 | fax: 813-217-8076
Don.Chrosniak@tawinc.com | http://www.tawinc.com

Excellence in Creating Innovative Solutions for the Supply, Control and Use of Energy

From: Nipper, Rebecca [mailto:Rebecca.Nipper@dep.state.fl.us]
Sent: Thursday, July 12, 2012 5:13 PM
To: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

Knauss, Elizabeth

From: Nipper, Rebecca
Sent: Friday, July 13, 2012 5:10 PM
To: Knauss, Elizabeth
Subject: FW: Hazardous Waste Inspection Follow-up
Attachments: CE Tank Sampling Results. J13350 PQL Final Report.pdf; Manifests_CE Tank_Aqua Clean_ 2011.2012.pdf

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Sent: Friday, July 13, 2012 5:00 PM
To: Nipper, Rebecca
Cc: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

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Don.Chrosniak@tawinc.com | http://www.tawinc.com

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Rebecca

From: Don Chrosniak [mailto:Don.Chrosniak@tawinc.com]
Sent: Friday, July 13, 2012 8:17 AM
To: Nipper, Rebecca
Subject: RE: Hazardous Waste Inspection Follow-up

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For your convenience, I have attached the MSDS's for both chemicals and a process flow diagram for our file in case you need to explain this process to your supervisor or just for the record.

Sincerely,

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Don.Chrosniak@tawinc.com | http://www.tawinc.com

Excellence in Creating Innovative Solutions for the Supply, Control and Use of Energy

From: Nipper, Rebecca [mailto:Rebecca.Nipper@dep.state.fl.us]
Sent: Thursday, July 12, 2012 5:13 PM
To: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

Thank you Don,

I have one other questions for you. In Building two the etching booth can you tell me what kind of acid is used and what the pH is of the waste water that is pumped out of the holding tanks by Aqua Clean.

Thanks for your assistance.

From: Don Chrosniak [mailto:Don.Chrosniak@tawinc.com]
Sent: Thursday, July 12, 2012 3:24 PM
To: Nipper, Rebecca
Subject: RE: Hazardous Waste Inspection Follow-up

Hey Rebecca,

I will send you some photos!

Thanks!

Don Chrosniak | Training and Risk Manager
Tampa Armature Works, Inc.
6312 78th Street | Riverview, FL 33578
tel: 813-621-5661 x2876 | fax: 813-217-8076
Don.Chrosniak@tawinc.com | http://www.tawinc.com

Excellence in Creating Innovative Solutions for the Supply, Control and Use of Energy

From: Nipper, Rebecca [mailto:Rebecca.Nipper@dep.state.fl.us]
Sent: Thursday, July 12, 2012 11:22 AM
To: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

Hello Don,

Can you please update me on the status of the used oil storage area. If you could send pictures it would be appreciated. I am trying to close this report rather than having to send out a non-compliance letter.

Thanks,

Rebecca

From: Don Chrosniak [mailto:Don.Chrosniak@tawinc.com]
Sent: Friday, July 06, 2012 3:54 PM
To: Nipper, Rebecca
Cc: Don Chrosniak
Subject: RE: Hazardous Waste Inspection Follow-up

Hi Rebecca,

After your visit we completed the majority of these findings the very next week according to my list of discrepancies. Please find my responses below next to your questions and find the following attached in this email:

- Hazardous Waste & Spill Control Plan
- Fire Extinguisher and spill containment locations
- Waste Inspection Log
- Waste Inventory Log (We have an on sight scale so Robert and I thought this would be the best way to manage our waste inventory)

Don Chrosniak | Training and Risk Manager
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Don.Chrosniak@tawinc.com | http://www.tawinc.com

Excellence in Creating Innovative Solutions for the Supply, Control and Use of Energy

From: Nipper, Rebecca [mailto:Rebecca.Nipper@dep.state.fl.us]
Sent: Thursday, July 05, 2012 5:02 PM
To: Don Chrosniak
Subject: Hazardous Waste Inspection Follow-up

Hello Don,

I am wrapping up the inspection report from my May 24th inspection and I was wondering what progress you have made with the following areas:

- Conducting weekly container inspections of hazardous waste in storage. **Done**
- Updating you Modified Contingency Plan to include the locations of the Fire Extinguishers and Spill Equipment. **Done**
- Ensuring that all hazardous waste is properly labeled "Hazardous Waste" and have accumulation start dates. **Done**
- Your Universal Waste Lamps are closed and labeled. **Done**
- All Satellite Accumulation containers should be closed and labeled. **Done**
- The secondary containment for the used oil storage being cleaned out and inspected. **In Process - To be completed by Wednesday**

I know I am a little late with this email. But I have attached a template container inspection log.

Also here is a link to the Small Quantity Generator Handbook.
http://www.dep.state.fl.us/waste/quick_topics/publications/shw/hazardous/fact/SQGBook2011Final_express.pdf

If you have any questions please do not hesitate to ask.

Rebecca Nipper

Environmental Specialist II
RCRA Compliance and Enforcement

FDEP Southwest District
13051 North Telecom Parkway
Temple Terrace Fl 33637-0926

(813) 632-7600 ext 372
(813) 632-7664 fax

Please take a few minutes to share your comments on the service you received from the department by clicking on this link DEP Customer Survey.

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BEST AVAILABLE COPY

NON-HAZARDOUS WASTE MANIFEST

M2

Print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of

3. Generator's Name and Mailing Address: TAW 6312 78th St Tampa Fl. 33578 ✓ — 1206127

4. Generator's Phone (813) 621-5661

5. Transporter 1 Company Name: Aqua clean	6. US EPA ID Number: FLR000034077	A. State Transporter's ID	
		B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID	
		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address: Aqua clean ~~[illegible]~~ 1008 N 19th St Lakeland Fl. 33811 tampa FL	10. US EPA ID Number: FLR000034077	E. State Facility's ID	
		F. Facility's Phone: 863-644-0665	

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. non Haz/nonreg. waste water	2	TT	2100	gal
b. non Haz/nonreg. waste water	7	drum	425	
c.				
d.			2525	

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
X Robert M Kelly	X [signature]	6	11	12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
John Konyha	[signature]	6	11	12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
John Rygowelski	[signature]	6	11	12

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

M2

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 1204274

2. Page 1 of

3. Generator's Name and Mailing Address T.A.W. 6312 78th St Riverview, FL 33578

4. Generator's Phone ( )

5. Transporter 1 Company Name: Aqua Clean

6. US EPA ID Number: FLR000034033

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: Aqua Clean 1008 20th St N Tampa FL

10. US EPA ID Number: FLR000034033

E. State Facility's ID

F. Facility's Phone (863) 644-0665

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. non haz / nonreg waste water	2 5	Tanks drums	2,275	GAL
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Robert Kelly		4 / 25 / 12

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Thomas Morgan		4 / 25 / 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)
John Ryan		4 / 25 / 12

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 660-13350-1

Job Description: TAW-Custom Equipment

For:
Philip Services Corporation
500 Medco Road
Birmingham, AL 35217

Attention: Jennifer Logan

Peggy Penner
Project Manager II
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01/24/2007

Project Manager: Peggy Penner

DOH Certification #: E84282
These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request.

METHOD SUMMARY

Client: Philip Services Corporation

Job Number: 660-13350-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL TAM	SW846 6010B	
Toxicity Characteristic Leaching Procedure	STL TAM		SW846 1311
Acid Digestion of Aqueous Samples and Extracts	STL TAM		SW846 3010A
Mercury in Liquid Waste (Manual Cold Vapor Technique)	STL TAM	SW846 7470A	
Toxicity Characteristic Leaching Procedure (Hg	STL TAM		SW846 1311
Mercury in Liquid Waste (Manual Cold Vapor	STL TAM		SW846 7470A
Matrix: Water			
Low Level Mercury in Water by CVAFS	STL PEN	EPA 1631E	
Low Level Mercury in Water by CVAFS	STL PEN		EPA 1631E
Sample Filtration	STL PEN		FILTRATION
ICP Metals by 200.7	STL TAM	EPA 200.7 Rev 4.4	
Total Recoverable Metals Digestion for 200.7	STL TAM		40CFR136A 200.7 Appx C
pH, Electrometric	STL TAM	MCAWW 150.1	
HEM and SGT-HEM by Extraction and Gravimetry	STL PEN	EPA-01 1664A	
HEM and SGT-HEM by Extraction and	STL PEN		EPA-01 1664A
Cyanide, Total (Titrimetric; Spectrophotometric)	STL TAM	MCAWW 335.2	
Distillation/Cyanide	STL TAM		Distillation
Sulfate (Turbidimetric)	STL TAM	MCAWW 375.4	
Phenolics (Spectrophotometric, Manual 4-AAP with Distillation)	STL TAM	MCAWW 420.1	
Distillation/Phenolics	STL TAM		Distill/Phenol

LAB REFERENCES:

STL PEN = STL Pensacola
STL TAM = STL Tampa

METHOD SUMMARY

Client: Philip Services Corporation Job Number: 660-13350-1

METHOD REFERENCES:

EPA - US Environmental Protection Agency

EPA-01 - "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Philip Services Corporation

Job Number: 660-13350-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-13350-1	Time Saver Sludge	Solid	01/12/2007 0950	01/12/2007 1035
660-13350-2	Pollutant Screening	Water	01/12/2007 0940	01/12/2007 1035
660-13350-3	Field Blank	Water	01/12/2007 0000	01/12/2007 1035

EXECUTIVE SUMMARY - Detections

Client: Philip Services Corporation Job Number: 660-13350-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-13350-1	**TIME SAVER SLUDGE**					
TCLP						
Barium		0.13	I	0.50	mg/L	6010B
Chromium		0.28	I	1.0	mg/L	6010B
660-13350-2	**POLLUTANT SCREENING**					
pH		6.60			SU	150.1
HEM (Oil & Grease)		12		3.7	mg/L	1664A
Cyanide, Total		0.080		0.010	mg/L	335.2
Sulfate		140		50	mg/L	375.4
Total Recoverable						
Chromium		0.0086	I	0.010	mg/L	200.7 Rev 4.4
Copper		0.17		0.020	mg/L	200.7 Rev 4.4
Lead		0.0077		0.0050	mg/L	200.7 Rev 4.4
Molybdenum		0.010		0.010	mg/L	200.7 Rev 4.4
Nickel		0.019	I	0.040	mg/L	200.7 Rev 4.4
Zinc		0.44		0.020	mg/L	200.7 Rev 4.4

SAMPLE RESULTS

Client: Philip Services Corporation

Job Number: 660-13350-1

Client Sample ID: Time Saver Sludge

Lab Sample ID: 660-13350-1
Client Matrix: Solid

Date Sampled: 01/12/2007 0950
Date Received: 01/12/2007 1035

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 660-38104		Instrument ID:	TJA ICP TRACE
Preparation:	3010A	Prep Batch: 660-38020		Lab File ID:	7A23A
Dilution:	5.0	Leachate Batch: 660-38017		Initial Weight/Volume:	50 mL
Date Analyzed:	01/23/2007 0912			Final Weight/Volume:	50 mL
Date Prepared:	01/22/2007 0943				
Date Leached:	01/22/2007 904				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	PQL
Silver		0.048	U	0.048	0.50
Arsenic		0.12	U	0.12	1.0
Barium		0.13	I	0.030	0.50
Cadmium		0.018	U	0.018	0.50
Chromium		0.28	I	0.043	1.0
Lead		0.040	U	0.040	1.0
Selenium		0.15	U	0.15	0.50

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-TCLP

Method:	7470A	Analysis Batch: 660-38095		Instrument ID:	HydraAA Mercury
Preparation:	7470A	Prep Batch: 660-38036		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 660-38017		Initial Weight/Volume:	50.00 mL
Date Analyzed:	01/22/2007 1639			Final Weight/Volume:	50.00 mL
Date Prepared:	01/22/2007 1152				
Date Leached:	01/22/2007 904				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	PQL
Mercury		0.00036	U	0.00036	0.00050

Client: Philip Services Corporation

Job Number: 660-13350-1

Client Sample ID: Pollutant Screening

Lab Sample ID: 660-13350-2
Client Matrix: Water

Date Sampled: 01/12/2007 0940
Date Received: 01/12/2007 1035

1631E Low Level Mercury in Water by CVAFS-Dissolved

Method: 1631E
Preparation: 1631E
Dilution: 1.0
Date Analyzed: 01/18/2007 1610
Date Prepared: 01/15/2007 1320

Analysis Batch: 400-41875
Prep Batch: 400-41795

Instrument ID: ATOMIC
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ng/L)	Qualifier	MDL	PQL
Mercury	0.20	U	0.20	0.50

200.7 Rev 4.4 ICP Metals by 200.7-Total Recoverable

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 01/16/2007 1534
Date Prepared: 01/15/2007 0813

Analysis Batch: 660-37799
Prep Batch: 660-37731

Instrument ID: TJA ICP TRACE
Lab File ID: 7A16A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Arsenic	0.0048	U	0.0048	0.010
Cadmium	0.00071	U	0.00071	0.0050
Chromium	0.0086	I	0.0017	0.010
Copper	0.17		0.0029	0.020
Lead	0.0077		0.0016	0.0050
Molybdenum	0.010		0.0040	0.010
Nickel	0.019	I	0.0047	0.040
Selenium	0.0059	U	0.0059	0.010
Silver	0.0019	U	0.0019	0.010
Zinc	0.44		0.0059	0.020

Client: Philip Services Corporation

Job Number: 660-13350-1

Client Sample ID: Field Blank

Lab Sample ID: 660-13350-3
Client Matrix: Water

Date Sampled: 01/12/2007 0000
Date Received: 01/12/2007 1035

1631E Low Level Mercury in Water by CVAFS-Dissolved

Method: 1631E
Preparation: 1631E
Dilution: 1.0
Date Analyzed: 01/18/2007 1618
Date Prepared: 01/15/2007 1320

Analysis Batch: 400-41875
Prep Batch: 400-41795

Instrument ID: ATOMIC
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ng/L)	Qualifier	MDL	PQL
Mercury	0.20	U	0.20	0.50

General Chemistry

Client Sample ID: **Pollutant Screening**

Lab Sample ID: 660-13350-2
Client Matrix: Water

Date Sampled: 01/12/2007 0940
Date Received: 01/12/2007 1035

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
HEM (Oil & Grease)	12		mg/L	1.1	3.7	1.0	1664A
	Anly Batch: 400-41652	Date Analyzed	01/16/2007 0942				
	Prep Batch: 400-41650	Date Prepared:	01/16/2007 0931				
Cyanide, Total	0.080		mg/L	0.0022	0.010	1.0	335.2
	Anly Batch: 660-37929	Date Analyzed	01/17/2007 0800				
	Prep Batch: 660-37928	Date Prepared:	01/17/2007 0800				
Sulfate	140		mg/L	20	50	10	375.4
	Anly Batch: 660-38196	Date Analyzed	01/24/2007 1500				
Phenolics, Total Recoverable	0.050	U	mg/L	0.050	0.10	1.0	420.1
	Anly Batch: 660-38159	Date Analyzed	01/24/2007 0700				
	Prep Batch: 660-38158	Date Prepared:	01/24/2007 0700				

Analyte	Result	Qual	Units	Dil	Method
pH	6.60		SU	1.0	150.1
	Anly Batch: 660-37756	Date Analyzed	01/12/2007 1331		

DATA REPORTING QUALIFIERS

Client: Philip Services Corporation

Job Number: 660-13350-1

Lab Section	Qualifier	Description
Metals		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	U	Indicates that the compound was analyzed for but not detected.

QUALITY CONTROL RESULTS

Client: Philip Services Corporation

Job Number: 660-13350-1

Method Blank - Batch: 400-41795

Method: 1631E
Preparation: 1631E
Dissolved

Lab Sample ID: MB 400-41794/6-AB
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/18/2007 1531
Date Prepared: 01/16/2007 1555

Analysis Batch: 400-41875
Prep Batch: 400-41795
Units: ng/L

Instrument ID: ATOMIC FLUORESCENCE
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.20	U	0.20	0.50

Lab Control Spike - Batch: 400-41795

Method: 1631E
Preparation: 1631E
Dissolved

Lab Sample ID: LCS 400-41794/7-AB
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/18/2007 1539
Date Prepared: 01/16/2007 1555

Analysis Batch: 400-41875
Prep Batch: 400-41795
Units: ng/L

Instrument ID: ATOMIC FLUORESCENCE
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	5.30	106	79 - 121	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-41795

Method: 1631E
Preparation: 1631E
Dissolved

MS Lab Sample ID: 660-13376-D-1-E MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/18/2007 1554
Date Prepared: 01/16/2007 1555

Analysis Batch: 400-41875
Prep Batch: 400-41795

Instrument ID: ATOMIC FLUORESCENC
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 660-13376-D-1-F MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/18/2007 1602
Date Prepared: 01/16/2007 1555

Analysis Batch: 400-41875
Prep Batch: 400-41795

Instrument ID: ATOMIC FLUORESCENCE
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	16	16	71 - 125	4	24	J3	J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Method Blank - Batch: 660-37731

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

Lab Sample ID: MB 660-37731/1-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/16/2007 1311
Date Prepared: 01/15/2007 0813

Analysis Batch: 660-37799
Prep Batch: 660-37731
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 7A16A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.0048	U	0.0048	0.010
Cadmium	0.00071	U	0.00071	0.0050
Chromium	0.0017	U	0.0017	0.010
Copper	0.0029	U	0.0029	0.020
Lead	0.0016	U	0.0016	0.0050
Molybdenum	0.0040	U	0.0040	0.010
Nickel	0.0047	U	0.0047	0.040
Selenium	0.0059	U	0.0059	0.010
Silver	0.0019	U	0.0019	0.010
Zinc	0.0059	U	0.0059	0.020

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 660-37731

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

LCS Lab Sample ID: LCS 660-37731/2-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/16/2007 1317
Date Prepared: 01/15/2007 0813

Analysis Batch: 660-37799
Prep Batch: 660-37731
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 7A16A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-37731/3-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/16/2007 1323
Date Prepared: 01/15/2007 0813

Analysis Batch: 660-37799
Prep Batch: 660-37731
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 7A16A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Arsenic	100	102	85 - 115	2	20		
Cadmium	101	102	85 - 115	1	20		
Chromium	102	104	85 - 115	2	20		
Copper	99	101	85 - 115	3	20		
Lead	100	102	85 - 115	1	20		
Molybdenum	106	108	85 - 115	2	20		
Nickel	104	106	85 - 115	2	20		
Selenium	100	102	85 - 115	2	20		
Silver	99	100	85 - 115	1	20		
Zinc	104	105	85 - 115	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-37731

Method: 200.7 Rev 4.4
Preparation: 200.7 Appx C
Total Recoverable

MS Lab Sample ID:	660-13356-A-21-B MS	Analysis Batch: 660-37799	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-37731	Lab File ID: 7A16A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/16/2007 1341		Final Weight/Volume: 50 mL
Date Prepared:	01/15/2007 0813		

MSD Lab Sample ID:	660-13356-A-21-C MSD	Analysis Batch: 660-37799	Instrument ID: TJA ICP TRACE
Client Matrix:	Water	Prep Batch: 660-37731	Lab File ID: 7A16A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/16/2007 1347		Final Weight/Volume: 50 mL
Date Prepared:	01/15/2007 0813		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	101	100	85 - 115	0	20		
Cadmium	101	100	85 - 115	1	20		
Chromium	103	103	85 - 115	1	20		
Copper	100	100	85 - 115	1	20		
Lead	101	100	85 - 115	0	20		
Molybdenum	107	106	85 - 115	1	20		
Nickel	105	104	85 - 115	1	20		
Selenium	100	100	85 - 115	0	20		
Silver	99	98	85 - 115	1	20		
Zinc	104	103	85 - 115	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Method Blank - Batch: 660-38020

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: MB 660-38020/1-AA
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 01/23/2007 0848
Date Prepared: 01/22/2007 0943

Analysis Batch: 660-38104
Prep Batch: 660-38020
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 7A23A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Silver	0.048	U	0.048	0.50
Arsenic	0.12	U	0.12	1.0
Barium	0.030	U	0.030	0.50
Cadmium	0.018	U	0.018	0.50
Chromium	0.043	U	0.043	1.0
Lead	0.040	U	0.040	1.0
Selenium	0.15	U	0.15	0.50

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 660-38020

Method: 6010B
Preparation: 3010A
TCLP

LCS Lab Sample ID: LCS 660-38020/2-AA
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 01/23/2007 0854
Date Prepared: 01/22/2007 0943

Analysis Batch: 660-38104
Prep Batch: 660-38020
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 7A23A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-38020/3-AA
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 01/23/2007 0900
Date Prepared: 01/22/2007 0943

Analysis Batch: 660-38104
Prep Batch: 660-38020
Units: mg/L

Instrument ID: TJA ICP TRACE
Lab File ID: 7A23A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	104	107	75 - 125	3	20		
Arsenic	109	110	75 - 125	1	20		
Barium	99	103	75 - 125	4	20		
Cadmium	110	110	75 - 125	0	20		
Chromium	107	106	75 - 125	0	20		
Lead	107	108	75 - 125	1	20		
Selenium	111	113	75 - 125	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-38020

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	660-13350-1	Analysis Batch: 660-38104	Instrument ID: TJA ICP TRACE
Client Matrix:	Solid	Prep Batch: 660-38020	Lab File ID: 7A23A
Dilution:	5.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/23/2007 0918		Final Weight/Volume: 50 mL
Date Prepared:	01/22/2007 0943		
Date Leached:	01/22/2007 0904	Leachate Batch: 660-38017	
MSD Lab Sample ID:	660-13350-1	Analysis Batch: 660-38104	Instrument ID: TJA ICP TRACE
Client Matrix:	Solid	Prep Batch: 660-38020	Lab File ID: 7A23A
Dilution:	5.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/23/2007 0924		Final Weight/Volume: 50 mL
Date Prepared:	01/22/2007 0943		
Date Leached:	01/22/2007 0904	Leachate Batch: 660-38017	

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	17	18	75 - 125	5	20	I J3	I J3
Arsenic	110	111	75 - 125	1	20		
Barium	103	104	75 - 125	1	20		
Cadmium	110	110	75 - 125	0	20		
Chromium	108	108	75 - 125	0	20		
Lead	108	109	75 - 125	1	20		
Selenium	113	113	75 - 125	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

TCLP SPLPE Leachate Blank - Batch: 660-38036

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LB 660-37881/1-AB
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/22/2007 1547
Date Prepared: 01/22/2007 1152
Date Leached: 01/17/2007 1432

Analysis Batch: 660-38095
Prep Batch: 660-38036
Units: mg/L

Leachate Batch: 660-37881

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50.00 mL
Final Weight/Volume: 50.00 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.00036	U	0.00036	0.00050

TCLP SPLPW Leachate Blank - Batch: 660-38036

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LB2 660-37881/16-AC
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/22/2007 1642
Date Prepared: 01/22/2007 1152
Date Leached: 01/17/2007 1432

Analysis Batch: 660-38095
Prep Batch: 660-38036
Units: mg/L

Leachate Batch: 660-37881

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50.00 mL
Final Weight/Volume: 50.00 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.00036	U	0.00036	0.00050

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 660-38036

Method: 7470A
Preparation: 7470A
TCLP

LCS Lab Sample ID: LCS 660-38036/2-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/22/2007 1548
Date Prepared: 01/22/2007 1152

Analysis Batch: 660-38095
Prep Batch: 660-38036
Units: mg/L

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50.00 mL
Final Weight/Volume: 50.00 mL

LCSD Lab Sample ID: LCSD 660-38036/3-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/22/2007 1558
Date Prepared: 01/22/2007 1152

Analysis Batch: 660-38095
Prep Batch: 660-38036
Units: mg/L

Instrument ID: HydraAA Mercury Analyz
Lab File ID: N/A
Initial Weight/Volume: 50.00 mL
Final Weight/Volume: 50.00 mL

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	85	82	80 - 120	3	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-38036

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID: 660-13337-A-21-D MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/22/2007 1604
Date Prepared: 01/22/2007 1152
Date Leached: 01/17/2007 1432

Analysis Batch: 660-38095
Prep Batch: 660-38036
Leachate Batch: 660-37881

Instrument ID: HydraAA Mercury Analyz
Lab File ID: N/A
Initial Weight/Volume: 50.00 mL
Final Weight/Volume: 50.00 mL

MSD Lab Sample ID: 660-13337-A-21-E MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/22/2007 1613
Date Prepared: 01/22/2007 1152
Date Leached: 01/17/2007 1432

Analysis Batch: 660-38095
Prep Batch: 660-38036
Leachate Batch: 660-37881

Instrument ID: HydraAA Mercury Analyzer
Lab File ID: N/A
Initial Weight/Volume: 50.00 mL
Final Weight/Volume: 50.00 mL

Analyte	% Rec. MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	101	103	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Lab Control Spike - Batch: 660-37756

Method: 150.1
Preparation: N/A

Lab Sample ID: LCS 660-37756/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/12/2007 1331
Date Prepared: N/A

Analysis Batch: 660-37756
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	6.00	6.030	101	98 - 102	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Method Blank - Batch: 400-41650

Method: 1664A
Preparation: 1664A

Lab Sample ID: MB 400-41650/1-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/16/2007 0942
Date Prepared: 01/16/2007 0931

Analysis Batch: 400-41652
Prep Batch: 400-41650
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 mL

Analyte	Result	Qual	MDL	PQL
HEM (Oil & Grease)	1.2	U	1.2	4.0

Lab Control Spike - Batch: 400-41650

Method: 1664A
Preparation: 1664A

Lab Sample ID: LCS 400-41650/2-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/16/2007 0942
Date Prepared: 01/16/2007 0931

Analysis Batch: 400-41652
Prep Batch: 400-41650
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
HEM (Oil & Grease)	37.0	39.9	108	78 - 114	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-41650

Method: 1664A
Preparation: 1664A

MS Lab Sample ID: 660-13325-B-2-A MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/16/2007 0942
Date Prepared: 01/16/2007 0931

Analysis Batch: 400-41652
Prep Batch: 400-41650

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1070 mL
Final Weight/Volume: 1000 mL

MSD Lab Sample ID: 660-13325-C-2-A MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/16/2007 0942
Date Prepared: 01/16/2007 0931

Analysis Batch: 400-41652
Prep Batch: 400-41650

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1050 mL
Final Weight/Volume: 1000 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
HEM (Oil & Grease)	84	100	78 - 114	16	18		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Method Blank - Batch: 660-37928

Method: 335.2
Preparation: Distillation

Lab Sample ID: MB 660-37928/1-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/17/2007 0800
Date Prepared: 01/17/2007 0800

Analysis Batch: 660-37929
Prep Batch: 660-37928
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Cyanide, Total	0.0022	U	0.0022	0.010

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 660-37928

Method: 335.2
Preparation: Distillation

LCS Lab Sample ID: LCS 660-37928/2-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/17/2007 0800
Date Prepared: 01/17/2007 0800

Analysis Batch: 660-37929
Prep Batch: 660-37928
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 660-37928/3-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/17/2007 0800
Date Prepared: 01/17/2007 0800

Analysis Batch: 660-37929
Prep Batch: 660-37928
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cyanide, Total	90	92	80 - 120	2	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-37928

Method: 335.2
Preparation: Distillation

MS Lab Sample ID:	660-13341-A-6-B MS	Analysis Batch: 660-37929	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: 660-37928	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/17/2007 0800		Final Weight/Volume: 50 mL
Date Prepared:	01/17/2007 0800		

MSD Lab Sample ID:	660-13341-A-6-C MSD	Analysis Batch: 660-37929	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: 660-37928	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/17/2007 0800		Final Weight/Volume: 50 mL
Date Prepared:	01/17/2007 0800		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	88	86	80 - 120	2	25		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Method Blank - Batch: 660-38196

Method: 375.4
Preparation: N/A

Lab Sample ID: MB 660-38196/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2007 1500
Date Prepared: N/A

Analysis Batch: 660-38196
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	PQL
Sulfate	2.0	U	2.0	5.0

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 660-38196

Method: 375.4
Preparation: N/A

LCS Lab Sample ID: LCS 660-38196/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2007 1500
Date Prepared: N/A

Analysis Batch: 660-38196
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 660-38196/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2007 1500
Date Prepared: N/A

Analysis Batch: 660-38196
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Sulfate	82	85	75 - 125	4	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-38196

Method: 375.4
Preparation: N/A

MS Lab Sample ID:	660-13420-A-1 MS	Analysis Batch: 660-38196	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	2.0		Initial Weight/Volume: 25 mL
Date Analyzed:	01/24/2007 1500		Final Weight/Volume: 25 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-13420-A-1 MSD	Analysis Batch: 660-38196	Instrument ID: No Equipment Assigned
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	2.0		Initial Weight/Volume: 25 mL
Date Analyzed:	01/24/2007 1500		Final Weight/Volume: 25 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate	110	124	75 - 125	5	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Philip Services Corporation

Job Number: 660-13350-1

Method Blank - Batch: 660-38158

Method: 420.1
Preparation: Distill/Phenol

Lab Sample ID: MB 660-38158/1-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2007 0700
Date Prepared: 01/24/2007 0700

Analysis Batch: 660-38159
Prep Batch: 660-38158
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Phenolics, Total Recoverable	0.050	U	0.050	0.10

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 660-38158

Method: 420.1
Preparation: Distill/Phenol

LCS Lab Sample ID: LCS 660-38158/2-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2007 0700
Date Prepared: 01/24/2007 0700

Analysis Batch: 660-38159
Prep Batch: 660-38158
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 660-38158/3-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/24/2007 0700
Date Prepared: 01/24/2007 0700

Analysis Batch: 660-38159
Prep Batch: 660-38158
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 250 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phenolics, Total Recoverable	91	91	75 - 125	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

BEST AVAILABLE COPY

Serial Number 31249

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

○ STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
TAN - Custom Equipment		
SAMPLER'S SIGNATURE	P.O. NUMBER Jen Logan	CONTRACT NO.
CLIENT (SITE) PM Jennifer Logan	CLIENT PHONE 813-286 2002	CLIENT FAX 813 281-8758
CLIENT NAME PSC	CLIENT E-MAIL	
CLIENT ADDRESS 500 Menco Rd Birmingham Al 35217		

°ANY CONTRACTING THIS WORK (if applicable)

MATRIX TYPE — COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT,...)

REQUIRED ANALYSIS: TCLP Metals; PRESERVATIVE

PAGE ____ OF ____

STANDARD REPORT DELIVERY ○
DATE DUE ____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE ____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED	REMARKS
1/10/07	9:50	Time Saver Sludge	1	
1/10/07	9:40	Pollutant Screening - PH 6.53 dump 16.9		See attached List

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	1/11/07	12:00	[signature]	1/12/07	10:35			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]			[signature]	1-12-07	1035			

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	STL DUMPA LOG NO.	LABORATORY REMARKS
[signature]	1/12/07	1035			23550	

Page 28 of 29

STL8240-660 (12/02)

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Philip Services Corporation

Job Number: 660-13350-1

Login Number: 13350

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background		
The cooler's custody seal, if present, is intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
There are no discrepancies between the sample IDs on the containers and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.		
If necessary, staff have been informed of any short hold time or quick TAT needs		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		

DEPARTMENT OF WATER UTILITIES
Wastewater Collection Division
1825 Glendale Street
Lakeland, Florida 33803-4300
(863) 834-8277 FAX (863) 834-6271
www.waterutilities.lakelandgov.net
"TREATING YOUR WATER SERIOUSLY"

City of LAKELAND

Alan O'steen, Manager of Wastewater Collection
James A. (Drew) Adcock, Collection System Supervisor
Richard Ruede, Wastewater Collection Superintendent
David Smith, Pumping Station Supervisor

June 20, 2012

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Mike Zellars
General Manager
Aqua Clean Environmental Co., Inc.
3210 Whitten Rd
Lakeland, FL 33811-1086

Re: Wastewater Discharge Permit No. 1041C
Sampling Plan Comments

Dear Mr. Zellars:

The City of Lakeland received a copy of the Sampling Plan prepared by Brown and Caldwell on April 19, 2012. This sampling plan was a requirement of the March 28, 2012 meeting between the City of Lakeland and Aqua Clean Environmental. Below are the City's comments to the Sampling Plan.

Section 1 – Introduction

The sampling plan outlines the minimum sampling for customers based upon a tiered approach with respect to the type of wastewater and volume of wastewater provided. The plan relies heavily on the customer generating a relatively consistent wastewater with increased sampling for variations. Please provide more details on what relatively consistent means and how Aqua Clean plans to track this with its customers. In what way will a new customer's waste be determined to be relatively consistent?

The plan also calls for the treatment plant operators to identifying more frequent testing or additional wastewater constituents above the minimum listed in the plan if any of the listed variances are noted. Please explain in detail how this process will work and how it will be tracked. How and when are loads checked? How will this information be recorded and stored? Notification process if load is suspect? What actions will be taken by Aqua Clean if additional testing is required? How long will additional testing be conducted and how often?

Section 2 – Analytical by Industry

The sampling plan recommended tiered approach is based on a combination of flows as well as industry type. Looking at the classifications as outlined in Section 2.2 the following was noted:

- Customers separated into 1 of 7 group designation
  - No designation for mixed waste
- Sampling only on an Annual or Semiannual basis
  - PCW - Small (<50K) Annual
  - PCW – Large (>50K) Semiannual
- 1 group no sampling required unless metals are present.

It would appear that the sampling is based solely on the type of wastewater and not the volume of wastewater by each customer. Also there was no designation for any mixed wastes that are received by Aqua Clean. How does Aqua Clean plan to monitor and designate loads that are received that may contain several loads from different customers?

Section 2.1 – All Shipments

This section refers to Aqua Cleans' Material Data Certification (MDC) Sheet that was provided as Attachment A. The MDC does not contain any information as to the type or nature of the wastewater (car wash, bilge water, lubricants etc..) that is to be delivered to Aqua Clean. By having a section for the type of wastewater is could be quickly determined the source and help in the classification of the wastewater.

On page 2 of the MDC there is a section on Material Information. Is this section required to be filled out prior to the wastewater being delivered to Aqua Clean? How does Aqua Clean verify that the MDC information is for the wastewater that is being collected from a customer on a routine or continuous basis?

How long is the MDC good for with a customer? Do they have to file an update after a period of time or once completed is that MDC good for as long as the customer delivers wastewater to the facility? If Aqua Clean detects something different than what was presented on the MDC, how would that be handled?

There is no signature on the MDC by Aqua Clean showing when it was received from the customer. A signature should be included on the MDC from Aqua Clean which indicates that the MDC was reviewed for completeness and the date on which it was received.

Section 2.3 through 2.4 – Waste Types

Each table has a column for Analyzed Onsite with either a Yes (with a note) or a No. Aqua Clean needs to explain in more detail what Yes or No means along with analytical methods used for the analysis. Are analyses being done by a certified laboratory or in-house? How does Aqua Clean verify that in-house analysis is accurate? It was mentioned in the Section 1 that this testing is not to be used for evaluating treatment efficiencies so is this strictly used for in-house customer classifications?

There appears to be a typographical error in section 2.4.3. It cites Table 5 but the table in that section is listed as Table 4. The table in this section needs to be changed to Table 5.

Aqua Clean shall submit a revised Sampling Plan to the City by July 13, 2012 addressing the comments listed above. If you have any questions or require any additional information regarding this matter, please contact this office at the address or numbers listed above.

Sincerely,

Richard J. Ruede
Wastewater Collection Superintendent

pc: T. Delgado, Deputy City Manager
T. McCausland, City Attorney
R. Conner, Asst. Director Water Utilities
A. O'Steen, Manager of Wastewater Collection
File

Knauss, Elizabeth

From: Fellabaum, Pamela
Sent: Thursday, May 31, 2012 1:45 PM
To: Knauss, Elizabeth; Dregne, James
Subject: FW: Petroleum Aids Manifest
Attachments: Disposal.pdf

From: Chris Gilbert [mailto:cgilbert@alachuacounty.us]
Sent: Wednesday, May 30, 2012 10:23 AM
To: Fellabaum, Pamela
Subject: Petroleum Aids Manifest

Pam,

Per our discussion.

Attached please find a copy of altered PCW manifest from Petroleum Aids that was given to Petroleum Inspector and is now in Swift program.

Also attached is copy of proper disposal manifest for the still bottom drums noted during our inspection.

If any questions, please call or email.

Sincerely,

Christopher Gilbert, Ph.D
Senior Environmental Specialist
Hazardous Materials / Water Resources / Emergency Spill Response
Alachua County Environmental Protection Department
408 W. University Avenue, Suite 106. Gainesville, FL 32601
cgilbert@alachuacounty.us
http://www.alachuacountyhazmat.us
Ph/Cell: 352-213-4981
Fax: 352-264-6852

Florida Department of

Memorandum — Environmental Protection

To: Jim Dregne

From: Elizabeth Knauss

Date: 5/30/12

Subject: Conversation Record
Rick Ruede - City of Lakeland Pretreatment Program

Rick Ruede returned my call to discuss status of their case. Aqua Clean has not discharged to the City since March 5 or 7. Waste water has been trucked to the City of Tampa plant. Tampa has issued a Subpart C organics pretreatment permit, not oils & greases.

Lakeland's permit does not require Aqua Clean to document the amount of oil recovered from their process. He does not know whether oil has been recovered in the interim, or whether all separated residues have been solidified and landfilled.

Lakeland also received the April 18, 2012 sampling plan from Brown & Caldwell. It is under review, and comments have not yet been sent. Ruede requested a copy of DEP's comments sent to Ron Noble. Ruede expressed some of the same reservations about the plan and certification form that DEP provided, especially with regard to the material information and nature of the waste when loads can be accepted from transporters collecting from multiple generators.

Lakeland is awaiting the compliance certification due in July before finalizing their case. Aqua Clean would prefer that the settlement be in terms of a permit revision. No decision has been made, but Lakeland wants to make resolution of the situation with Carillon Lakes part of the process.

Knauss, Elizabeth

From: Noble, Ron [rnoble@fowlerwhite.com]
Sent: Wednesday, May 30, 2012 5:23 PM
To: Dregne, James
Cc: Knauss, Elizabeth
Subject: RE: Aqua Clean Sampling Plan Comments

Thanks Jim:

We will review with aqua Clean, but on first glance I must say this is way more complex, detailed and lengthy than what we discussed at our meeting with you and Beth.

Ron

Ron Noble
Fowler White Boggs P.A.
501 E. Kennedy Blvd, Suite 1700
Tampa, Florida 33602
Direct: 813 222 1175
Fax: 813 229 8313
www.fowlerwhite.com

-----Original Message-----
From: Dregne, James [mailto:James.Dregne@dep.state.fl.us]
Sent: Tuesday, May 29, 2012 6:37 PM
To: Noble, Ron
Cc: Knauss, Elizabeth
Subject: Aqua Clean Sampling Plan Comments

Ron,

I have two comment attachments, one for the basic Sampling Plan and the second for the Material Data Certification Sheet Form.

If you have questions, please let me know.

Jim.

JAMES M. DREGNE
FL. DEPT OF ENVIRONMENTAL PROTECTION
Hazardous Waste Program Manager, Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926
ph (813) 632-7600 ext.410, fax (813) 632-7664 james.dregne@dep.state.fl.us

Please take a few minutes to share your comments on the service you received from the department by clicking on this link. Copy the url below to a web browser to complete the DEP survey: http://survey.dep.state.fl.us/?refemail=James.Dregne@dep.state.fl.us

---

Dregne, James

From: Dregne, James
Sent: Tuesday, May 29, 2012 6:37 PM
To: 'Noble, Ron'
Cc: Knauss, Elizabeth
Subject: Aqua Clean Sampling Plan Comments
Attachments: FDEP Comments-Aqua Clean Sampling Plan 5-29-2012.doc; FDEP Comments-Aqua Clean Material Data Certification Form 5-29-2012.doc

Tracking:	Recipient	Delivery	Read
	'Noble, Ron'		
	Knauss, Elizabeth	Delivered: 5/29/2012 6:37 PM	Read: 5/29/2012 6:43 PM

Ron,

I have two comment attachments, one for the basic Sampling Plan and the second for the Material Data Certification Sheet Form.

If you have questions, please let me know.

Jim.

JAMES M. DREGNE
FL. DEPT OF ENVIRONMENTAL PROTECTION
Hazardous Waste Program Manager, Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926
ph (813) 632-7600 ext.410, fax (813) 632-7664 james.dregne@dep.state.fl.us

AQUA CLEAN – Sampling Plan Comments

Section 2.1 - The draft plan has the current Aqua Clean Material Data Certification Sheet, attached to the submittal as Appendix A. The Department has previously discussed changes that should be made to the form. The Department's comments concerning the form will be addressed on a separate comment sheet.

Section 2.3 - In his discussion of Subpart B Category Oily waste, Mr. Gill does not appear to distinguish between petroleum contact water (PCW) as defined in FAC Rule 62-740 and other oily waste waters. PCW is not process waste water contaminated with oil. For example, waste water contaminated with oil such as car wash waste water or oil/water separator waste from equipment washing operations or waste water treatments systems is not PCW. Petroleum Contact Water is excluded from regulation as a hazardous waste if managed to recover product. It can have more than one phase and be a DOT hazardous material. Section 2.3 needs to be expanded upon to make sure that PCW is correctly defined and it specifies when it is regulated.

EPA lists a number of Subpart B waste streams in its CWT compliance guide. Some of these waste streams are excluded from regulation if managed to recover fuel. These are

- used oils
- oil/water emulsions or mixtures
- lubricants
- coolants (cutting oils)
- contaminated groundwater clean up from petroleum sources
- used petroleum products
- oil spill clean-up
- off specification fuels
- underground storage remediation waste
- tank clean out from petroleum or oily sources

However a number of other waste waters listed in this category are not exempt if characteristically hazardous and reclaimed for fuel. These include:

- bilge water
- interceptor wastes
- non contact used glycols
- aqueous and oil mixtures from parts cleaning operations
- wastewater from oil bearing paint washes

Section 2.3.1 – The following sentence should be added: "Compliance with FDEP Quality Assurance requirements under FAC Rule 62-150 will be adhered to."

Section 2.3.1 Table 1 - No specific test methods are referenced for any of the analytical parameters listed, although "ICP" and "probe" are mentioned as the analytical instruments to be used. Test Methods should be added to Table 1.

Section 2.3.3 – The following sentence should be added: "Compliance with FDEP Quality Assurance requirements under FAC Rule 62-150 will be adhered to."

Section 2.3.3 Table 2 - No specific test methods are referenced for any of the analytical parameters listed, although "ICP" and "probe" are mentioned as the analytical instruments to be used. Test Methods should be added to Table 1.

AQUA CLEAN – Sampling Plan Comments

Section 2.3.3 Table 2 - This section calls for on-site analysis of "glycol" but does not reference the specific chemical (ethylene or propylene glycol?) to be analyzed.

Section 2.4 - The discussion on Subpart C Organic Wastewaters does not state how hazardous organic waste waters will be distinguished from non hazardous organic waste waters. The analytical parameters do not include the toxicity characteristic organic compounds that are omitted from Aqua Clean's Material Data Certification Forms.

Section 2.4 Tables 3 &4 - No specific test methods are referenced for any of the analytical parameters listed, although "ICP" and "probe" are mentioned as the analytical instruments to be used. Test Methods should be added to Table 1.

AQUA CLEAN - Material Data Certification Form Comments

The company's Material Data Certification Form should be revised to address the following comments:

- A space for Aqua Clean to sign the form signifying that it has been reviewed by Aqua Clean staff and either approved for acceptance or rejected.
- Information on the process generating the waste water. This information is necessary because some non-regulated waste waters can generate listed hazardous waste sludges. In addition, the customer must be required to disclose whether the waste is subject to categorical pretreatment standards.
- For waste waters accepted from other transporters, what information is the transporter being required to provide regarding the actual generator of the waste? How are bulked shipments from multiple generators handled in the waste acceptance process?
- The D.O.T. shipping information section is incomplete. The non-hazardous waste manifests used by Aqua Clean may be used as bills of lading for hazardous material shipments. However the certification statement required by 49 CFR 172.204 is not pre-printed on either the profile form or manifest form
    - "This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation."
    - The certifications required by paragraph (a) or (c) of this section must be legibly signed by a principal, officer, partner, or employee of the shipper or his agent.
- The Material Composition section only provides space to list one component, and does not address materials that have more than one phase.
- The Material Information section does not address DOT or RCRA corrosive materials that fail the steel or aluminum corrosion test.
- Information on conventional waste water treatment parameters, such as BOD, COD, TSS, conductivity, and nutrient content are not being collected.
- Information on the clarity of the material is not being collected. Cloudy material can be emulsions that may separate into phases with different chemical characteristics. The presence of emulsifiers can interfere with waste treatment processes.
- The form should be more specific as to the use of MSDSs and analytical information. A MSDS may not be representative of a process waste. The generator is not required to certify that the analysis is of a representative sample of the material being sent to Aqua Clean or that the process has not changed since the material was analyzed, if the analysis is not recent.
- Please explain why selected parameters are included in the list of contaminants, while others, such as barium, chloride, cresol and chloroform are not included.
- What is meant by the question "Is there more than one fuel present?", and why isn't the customer being asked to specify which fuels are mixed with the wastewater. You may wish to add check boxes for gasoline, diesel, fuel oil, used oil and a blank for the customer to specify another fuel type.
- The question "Does the material meet the definition of a hazardous waste according to 40 CFR Part 261 and the Florida Hazardous Waste Regulations?" can mislead a customer unless Aqua Clean has disclosed whether they intend to recover product from the material or treat it for disposal. It would be more appropriate to ask: "Is the material characteristically ignitable, corrosive, reactive or toxic as defined in Federal hazardous waste regulations under 40 CFR 261 Subpart C? Does the material contain a hazardous waste listed in 40 CFR 261 Subpart D in concentrations that are not excluded under 40 CFR 261.3?"

AQUA CLEAN – Sampling Plan Comments

Section 2.1 - The draft plan has the current Aqua Clean Material Data Certification Sheet, attached to the submittal as Appendix A. The Department has previously discussed changes that should be made to the form. The Department's comments concerning the form will be addressed on a separate comment sheet.

Section 2.3 - In his discussion of Subpart B Category Oily waste, Mr. Gill does not appear to distinguish between petroleum contact water (PCW) as defined in FAC Rule 62-740 and other oily waste waters. PCW is not process waste water contaminated with oil. For example, waste water contaminated with oil such as car wash waste water or oil/water separator waste from equipment washing operations or waste water treatments systems is not PCW. Petroleum Contact Water is excluded from regulation as a hazardous waste if managed to recover product. It can have more than one phase and be a DOT hazardous material. Section 2.3 needs to be expanded upon to make sure that PCW is correctly defined and it specifies when it is regulated.

EPA lists a number of Subpart B waste streams in its CWT compliance guide. Some of these waste streams are excluded from regulation if managed to recover fuel. These are

- used oils
- oil/water emulsions or mixtures
- lubricants
- coolants (cutting oils)
- contaminated groundwater clean up from petroleum sources
- used petroleum products
- oil spill clean-up
- off specification fuels
- underground storage remediation waste
- tank clean out from petroleum or oily sources

However a number of other waste waters listed in this category are not exempt if characteristically hazardous and reclaimed for fuel. These include:

- bilge water
- interceptor wastes
- non contact used glycols
- aqueous and oil mixtures from parts cleaning operations
- wastewater from oil bearing paint washes

Section 2.3.1 – The following sentence should be added: "Compliance with FDEP Quality Assurance requirements under FAC Rule 62-150 will be adhered to."

Section 2.3.1 Table 1 - No specific test methods are referenced for any of the analytical parameters listed, although "ICP" and "probe" are mentioned as the analytical instruments to be used. Test Methods should be added to Table 1.

Section 2.3.3 – The following sentence should be added: "Compliance with FDEP Quality Assurance requirements under FAC Rule 62-150 will be adhered to."

Section 2.3.3 Table 2 - No specific test methods are referenced for any of the analytical parameters listed, although "ICP" and "probe" are mentioned as the analytical instruments to be used. Test Methods should be added to Table 1.

AQUA CLEAN – Sampling Plan Comments

Section 2.3.3 Table 2 - This section calls for on-site analysis of "glycol" but does not reference the specific chemical (ethylene or propylene glycol?) to be analyzed.

Section 2.4 - The discussion on Subpart C Organic Wastewaters does not state how hazardous organic waste waters will be distinguished from non hazardous organic waste waters. The analytical parameters do not include the toxicity characteristic organic compounds that are omitted from Aqua Clean's Material Data Certification Forms.

Section 2.4 Tables 3 &4 - No specific test methods are referenced for any of the analytical parameters listed, although "ICP" and "probe" are mentioned as the analytical instruments to be used. Test Methods should be added to Table 1.

AQUA CLEAN - Material Data Certification Form Comments

The company's Material Data Certification Form should be revised to address the following comments:

- A space for Aqua Clean to sign the form signifying that it has been reviewed by Aqua Clean staff and either approved for acceptance or rejected.
- Information on the process generating the waste water. This information is necessary because some non-regulated waste waters can generate listed hazardous waste sludges. In addition, the customer must be required to disclose whether the waste is subject to categorical pretreatment standards.
- For waste waters accepted from other transporters, what information is the transporter being required to provide regarding the actual generator of the waste? How are bulked shipments from multiple generators handled in the waste acceptance process?
- The D.O.T. shipping information section is incomplete. The non-hazardous waste manifests used by Aqua Clean may be used as bills of lading for hazardous material shipments. However the certification statement required by 49 CFR 172.204 is not pre-printed on either the profile form or manifest form
    - "This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation."
    - The certifications required by paragraph (a) or (c) of this section must be legibly signed by a principal, officer, partner, or employee of the shipper or his agent.
- The Material Composition section only provides space to list one component, and does not address materials that have more than one phase.
- The Material Information section does not address DOT or RCRA corrosive materials that fail the steel or aluminum corrosion test.
- Information on conventional waste water treatment parameters, such as BOD, COD, TSS, conductivity, and nutrient content are not being collected.
- Information on the clarity of the material is not being collected. Cloudy material can be emulsions that may separate into phases with different chemical characteristics. The presence of emulsifiers can interfere with waste treatment processes.
- The form should be more specific as to the use of MSDSs and analytical information. A MSDS may not be representative of a process waste. The generator is not required to certify that the analysis is of a representative sample of the material being sent to Aqua Clean or that the process has not changed since the material was analyzed, if the analysis is not recent.
- Please explain why selected parameters are included in the list of contaminants, while others, such as barium, chloride, cresol and chloroform are not included.
- What is meant by the question "Is there more than one fuel present?", and why isn't the customer being asked to specify which fuels are mixed with the wastewater. You may wish to add check boxes for gasoline, diesel, fuel oil, used oil and a blank for the customer to specify another fuel type.
- The question "Does the material meet the definition of a hazardous waste according to 40 CFR Part 261 and the Florida Hazardous Waste Regulations?" can mislead a customer unless Aqua Clean has disclosed whether they intend to recover product from the material or treat it for disposal. It would be more appropriate to ask: "Is the material characteristically ignitable, corrosive, reactive or toxic as defined in Federal hazardous waste regulations under 40 CFR 261 Subpart C? Does the material contain a hazardous waste listed in 40 CFR 261 Subpart D in concentrations that are not excluded under 40 CFR 261.3?"

Florida Department of

Memorandum

Environmental Protection

To: James Dregne 5/18

From: Elizabeth Knauss

Date: 5/15/2012

Subject: Comments - Draft Sampling Plan submitted 4/26/2012
Aqua Clean Environmental - Polk County

The Draft Sampling Plan for Customer Waste Characterization was submitted to address a number of instances where Aqua Clean has accepted either hazardous waste or undeclared hazardous materials for treatment. On two of these occasions, Aqua Clean's unloading practices resulted in fires, destroying the transport vehicle and damaging company processing equipment.

The City of Lakeland has a parallel case regarding acceptance of unpermitted wastewaters and failure to comply with discharge limits. These comments are not intended to respond to this issue. However it is noted that without specific information on the contaminant levels in the incoming wastes, Aqua Clean will not be able to demonstrate contaminant removal efficiencies.

Section 2.1 - The plan was drafted by Everett Gill of Brown & Caldwell. The plan included Aqua Clean's existing Material Data Certification Sheet, attached to the submittal as Appendix A. Mr. Gill did not address any deficiencies in the form or make any recommendations to amend the form. For example, the form does not require the generator to state whether the wastewater is Subpart B or Subpart C waste water, although Mr. Gill's tiered sampling approach requires Aqua Clean to have this knowledge in order to determine the type and frequency of analyses that will be conducted.

Section 2.3 - In his discussion of Subpart B Category Oily waste, Mr. Gill does not appear to distinguish between petroleum contact water as defined in FAC Rule 62-740 and other oily waste waters. Petroleum Contact Water is excluded from regulation as a hazardous waste if managed to recover product. It can have more than one phase and be a DOT hazardous material. It is not process waste water contaminated with oil, such as car wash waste water or oil/water separator waste from equipment washing operations or waste water treatments systems.

EPA lists a number of Subpart B waste streams in its CWT compliance guide. Some of these waste streams are excluded from regulation if managed to recover fuel. These are

- used oils
- oil/water emulsions or mixtures
- lubricants
- coolants (cutting oils)
- contaminated groundwater clean up from petroleum sources
- used petroleum products
- oil spill clean-up
- off specification fuels
- underground storage remediation waste
- tank clean out from petroleum or oily sources

However a number of other waste waters listed in this category are not exempt if characteristically hazardous and reclaimed for fuel. These include:

- bilge water
- interceptor wastes
- non contact used glycols
- aqueous and oil mixtures from parts cleaning operations
- wastewater from oil bearing paint washes

Section 2.3.3 Table 2 - This section calls for on-site analysis of "glycol" but does not reference the specific chemical (ethylene or propylene glycol?) to be analyzed. As a general comment, no specific test methods are referenced for any analytical parameters, although "ICP" and "probe" are mentioned as the analytical instruments to be used. Compliance with Department Quality Assurance requirements under FAC Rule 62-150 are not addressed, either for field or analytical procedures.

Section 2.4 .- The discussion on Subpart C Organic Wastewaters does not state how hazardous organic waste waters will be distinguished from non hazardous organic waste waters. The analytical parameters do not include the toxicity characteristic organic compounds that are omitted from Aqua Clean's Material Data Certification Forms.

During recent inspections, it was noted that staff from Aqua Clean were not requiring the waste generators to provide complete information on the company's Material Data Certification Form. Recommendations were made regarding improvements to the form, but a revised form was not attached to this plan. At a minimum, the revised form should include:

- A space for Aqua Clean to sign the form signifying that it has been reviewed by Aqua Clean staff and either approved for acceptance or rejected.
- Information on the process generating the waste water. This information is necessary because some non-regulated waste waters can generate listed hazardous waste sludges. In addition, the customer must be required to disclose whether the waste is subject to categorical pretreatment standards.
- For waste waters accepted from other transporters, what information is the transporter being required to provide regarding the actual generator of the waste? How are bulked shipments from multiple generators handled in the waste acceptance process?
- The D.O.T. shipping information section is incomplete. The non-hazardous waste manifests used by Aqua Clean may be used as bills of lading for hazardous material shipments. However the certification statement required by 49 CFR 172.204 is not pre-printed on either the profile form or manifest form
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    - The certifications required by paragraph (a) or (c) of this section must be legibly signed by a principal, officer, partner, or employee of the shipper or his agent.
- The Material Composition section only provides space to list one component, and does not address materials that have more than one phase.

- The Material Information section does not address DOT or RCRA corrosive materials that fail the steel or aluminum corrosion test.
- Information on conventional waste water treatment parameters, such as BOD, COD, TSS, conductivity, and nutrient content are not being collected.
- Information on the clarity of the material is not being collected. Cloudy material can be emulsions that may separate into phases with different chemical characteristics. The presence of emulsifiers can interfere with waste treatment processes.
- The form should be more specific as to the use of MSDSs and analytical information. A MSDS may not be representative of a process waste. The generator is not required to certify that the analysis is of a representative sample of the material being sent to Aqua Clean or that the process has not changed since the material was analyzed, if the analysis is not recent.
- Please explain why selected parameters are included in the list of contaminants, while others, such as barium, chloride, cresol and chloroform are not included.
- What is meant by the question "Is there more than one fuel present?", and why isn't the customer being asked to specify which fuels are mixed with the wastewater. You may wish to add check boxes for gasoline, diesel, fuel oil, used oil and a blank for the customer to specify another fuel type.
- The question "Does the material meet the definition of a hazardous waste according to 40 CFR Part 261 and the Florida Hazardous Waste Regulations?" can mislead a customer unless Aqua Clean has disclosed whether they intend to recover product from the material or treat it for disposal. It would be more appropriate to ask: "Is the material characteristically ignitable, corrosive, reactive or toxic as defined in Federal hazardous waste regulations under 40 CFR 261 Subpart C? Does the material contain a hazardous waste listed in 40 CFR 261 Subpart D in concentrations that are not excluded under 40 CFR 261.3?"

Dregne, James

From: Erickson, John
Sent: Monday, November 28, 2011 8:25 AM
To: Byer, James; Valade, Vicky; Bayly, Karen; Kantor, Karen E.; Kraemer, Janine; Dregne, James
Cc: Perrigan, Glen; Noland, Tiffaney
Subject: Inspector Training Series

Good morning all,
The inspector training Go-To Meetings need to be scheduled. The Webinars are scheduled for the second Wednesday of every 1 month effective 11/9/2011 from 1:30 PM to 4:30 PM. Each district will be responsible for 2 per year. You may do case studies or SWIFT tips/tricks.
The first training will be January 11th. The December 14th meeting will be done by Tally. Below are the assignments. Let me know if you need anything.

Jan- SD
Feb-NWD
Mar-CD
April-NED
May-SED
June-SWD
July-SD
Aug-NWD
Sept-CD
Oct-NED
Nov-SED
Dec-SWD

John W. Erickson
RCRA Compliance Enforcement
Department of Environmental Protection
2600 Blair Stone Rd, MS#4560
Tallahassee, Fl. 32399-2400
850.245.8767

http://www.dep.state.fl.us/waste/categories/hwRegulation/default.htm

Knauss, Elizabeth

From: Knauss, Elizabeth
Sent: Thursday, April 26, 2012 5:28 PM
To: 'Noble, Ron'; Dregne, James
Subject: RE: Aqua Clean Sampling Plan

Ron - Can you request clarification from Mr. Gill regarding his use of the term "petroleum contact water." He seems to be using it as a synonym for oily waste waters. Is he familiar with our FAC 62-740?

Also - the plan says that they will be testing for "glycol" on site. Can you tell me what test method will be used, and which glycol(s) will be detected?

Further comments/questions will be forthcoming, after we have had a chance to discuss it internally.

-----Original Message-----
From: Noble, Ron [mailto:rnoble@fowlerwhite.com]
Sent: Thursday, April 26, 2012 4:01 PM
To: Dregne, James; Knauss, Elizabeth
Subject: Aqua Clean Sampling Plan

Jim and Beth:

Attached please find the Sampling Plan we discussed for Aqua Clean.

We are still working on the proposed revisions to the Waste Certification Sheet, and we will have a draft of that revised document over to you next week.

Thanks,
Ron

Ron Noble
Fowler White Boggs P.A.
501 E. Kennedy Blvd, Suite 1700
Tampa, Florida 33602
Direct: 813 222 1175
Fax: 813 229 8313
www.fowlerwhite.com

-----Original Message-----
From: FWB Digital Copy System
Sent: Thursday, April 26, 2012 3:25 PM
To: Noble, Ron
Cc: Anderson, Debra
Subject: Scanned document from FWB Digital Copy System (ecopy@fowlerwhite.com)

Disclaimer under IRS Circular 230: Unless expressly stated otherwise in this transmission, nothing contained in this message is intended or written to be used, nor may it be relied upon or used, (1) by any taxpayer for the purpose of avoiding penalties that may be imposed on the taxpayer under the Internal Revenue Code of 1986, as amended and/or (2) by any person to support the promotion or marketing of or to recommend any Federal tax transaction(s) or matter(s) addressed in this message.

If you desire a formal opinion on a particular tax matter for the purpose of avoiding the imposition of any penalties, we will discuss the additional Treasury requirements that must be met and whether it is possible to meet those requirements under the circumstances, as well as the anticipated time and additional fees involved.

FOWLER WHITE BOGGS
Attorneys at Law
Est 1943

RON H. NOBLE
DIRECT DIAL: 813-222-1175
RNOBLE@FOWLERWHITE.COM

April 26, 2012

VIA E-MAIL AND
REGULAR U.S. MAIL

Mr. James Dregne
Ms. Beth Knauss
Hazardous Waste Section
Florida Department of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, Fl. 33637

Re: Draft Sampling Plan for Aqua Clean Environmental Co., Inc.
Customer Wastewater Characterization

Dear Jim and Beth:

Thank you for meeting with Mike Zellars of Aqua Clean and me last week to discuss outstanding issues for resolution of the 2011 Warning Letter issued by the Department to Aqua Clean. The purpose of this correspondence is to submit the proposed Sampling Plan to the Department on behalf of Aqua Clean to further characterize and evaluate influent wastewaters from Aqua Clean's customers.

Aqua Clean has retained the professional consulting and engineering services of Brown and Caldwell to assist on this project. Mr. Everett Gill of Brown and Caldwell is a Professional Engineer and recognized expert on industrial wastewater pre-treatment facilities and EPA's Centralized Waste Treatment Rule. Brown and Caldwell has prepared the draft Sampling Plan based upon meetings and input from the City of Lakeland. The proposed Sampling Plan sets forth a "tiered" approach for the periodic characterization and testing of customer wastewaters based upon the volume of wastewater and the type of wastewater generated by each customer. Aqua Clean intends to establish a single Sampling Plan for future waste characterization activities for purposes of consistency and accuracy as opposed to having multiple Sampling Plans with various entities or agencies.

We welcome any comments the Department may have in connection with the proposed Sampling Plan. In the interim, please do not hesitate to contact me should you have any questions regarding the above matters or if the Department requires any additional information.

Sincerely yours,

FOWLER WHITE BOGGS P.A.

Ron H. Noble

Enclosure

cc: Mr. Mike Zellars (w/out Enclosure)
Everett Gill, P.E. (w/out Enclosure)

Brown AND Caldwell

1560 Sawgrass Corporate Parkway, 4th Floor
Sunrise, FL 33323
Tel: 954-331-4650
Fax: 561-684-9902

Technical Memorandum

Prepared for: Aqua Clean Environmental Co., Inc.

Project Title: Tiered Approach for Influent Sampling

Project No: 142636

Technical Memorandum

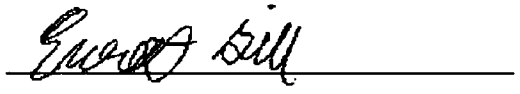
Subject: Tiered Approach for Influent Sampling

Date: April 18, 2012

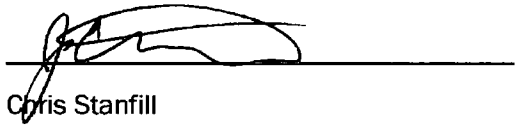
To: Mike Zellars, General Manager, Aqua Clean

Ron Noble, Fowler White Boggs

From: Everett Gill, P.E., Brown and Caldwell

Prepared by: 

Everett Gill, P.E.

Reviewed by: 

Chris Stanfill

1. Introduction

Aqua Clean Environmental Co., Inc. (Aqua Clean) owns and operates an industrial wastewater pretreatment facility in the City of Lakeland, Florida (Lakeland). This facility treats non-hazardous industrial wastewater and is regulated by the Centralized Waste Treatment (CWT) rule (40 CFR 437). Under this rule, Aqua Clean is permitted to receive wastewaters that are regulated under Subpart B (Oils Treatment and Recovery) and Subpart C (Organics Treatment and Recovery).

Lakeland has requested that Aqua Clean prepare a sampling plan and schedule in order to evaluate that Aqua Clean's current customer waste profiles have not changed and to establish a protocol for initial waste profiles to be performed on all new customers consistent with the requirements of the Wastewater Discharge Permit.

The purpose of this sampling plan and schedule will outline the minimum sampling for customers based upon a tiered approach to address Lakeland's concerns with respect to the type of wastewater and volume of wastewater provided by each customer. Some wastewaters are relatively consistent, while others are more variable. This sampling plan addresses variations in wastewater characteristics based on industry type. Aqua Clean is permitted to accept oil and organics waste, however it is not permitted, nor is it equipped, to treat Subpart A waste (Metals Bearing Waste). The testing proposed includes a comprehensive metals sampling in order to evaluate if a wastewater should not be accepted, including wastewaters that may fall in the Subpart B (Oil) category but contain metal concentrations above the threshold to be considered a Subpart A wastewater. This sampling is not designed to evaluate treatment efficiency of constituents; that testing is conducted per the requirements of the Periodic Certification Statements and the Initial Certification Statement testing.

The treatment plant Operator will be responsible for identifying more frequent testing or additional wastewater constituents that warrant additional testing beyond the minimum listed in this TM. Circumstances which may cause the Operator to require additional testing include (but are not limited to):

- Increased solids concentration or turbidity compared to typical delivery
- Change in odor or appearance in the wastewater
- Change in delivery times or delivery trucks
- Uncharacteristically high volume of wastewater for a particular client
- Increase in wastewater delivery after a long period of no delivery

2. Analytical by Industry

The recommended tiered approach for testing is based on a combination of flows as well as industry type. Some industries such as landfill leachate require a higher number of analyses due to changing constituents as opposed to other industries, such as petroleum contact water, where the constituents are typically consistent from load to load, however the concentrations may vary. Industries and customers with high volumes or more frequent changes in wastewater characteristics are expected to be evaluated at a higher frequency.

2.1 All Shipments

All wastewaters delivered to Aqua Clean will require a Material Data Certification Sheet. This sheet is provided in Appendix A.

2.2 New Customers

As described above, all new customers require a Material Data Certification Sheet profile. Additionally, all new customers will first be categorized into one of the following industry types (described in subsequent sections):

- Subpart B – Petroleum Contact Water – Small Volume
- Subpart B – Contaminated Groundwater From Petroleum Sources
- Subpart B – Petroleum Contact Water – Large Volume
- Subpart C - Contaminated Groundwater from Non-petroleum Sources
- Subpart C – Non-Specific Organic Wastewater
- Subpart C – Landfill Leachate
- Subpart C – Small Volume Organic Wastewater

Prior to accepting the wastewater, Aqua Clean will perform an initial characterization based on the Tiered sampling plan described below; subsequent sampling frequency will depend on industry type.

2.3 Subpart B - Oil

This subpart includes wastewaters that have an oil and grease (O&G) concentration typically >100 mg/L or is generated from a process where oil is the contaminant of concern regardless of the O&G concentration, such as contaminated groundwater from petroleum sources.

2.3.1 Petroleum Contact Water – Small Volume

These wastewaters are typically characterized by high concentrations of oil and low concentrations of metals. The constituents of this wastewater typically do not significantly change between shipments. This wastewater will be tested a minimum of one time per year for Tier 1 Oil (Table 1) constituents.

Table 1. Recommended Subpart B (Oils Treatment and Recovery) - Tier 1 Sampling

Parameter Type	Parameter	Analyze Onsite
Conventional	Flow	Yes (Discharge Volume/Flow Meters)
	pH	Yes (Probe)
Metals	Cadmium	Yes (ICP)
	Chromium	Yes (ICP)
	Copper	Yes (ICP)
	Nickel	Yes (ICP)
	Zinc	Yes (ICP)
	Molybdenum	Yes (ICP)

2.3.2 Contaminated Groundwater from Petroleum Sources

The consulting engineer for contaminated groundwater sources typically has extensive data on this type of wastewater. If this data is not available, or the Operator had indications that the wastewater characterization may have changed, the wastewater will be analyzed for Subpart B, Tier 1 constituents as listed in Table 1 for a minimum of one time per year.

2.3.3 Petroleum Contact Water - Large Volume

As with the small volume petroleum contact wastewaters, these wastewaters are typically characterized by high concentrations of oil and low concentrations of metals. Clients that deliver a larger volume (50,000 gallons/year or more) of this wastewater will increase testing to a minimum of two times per year based on the Tier 2 – Oils Treatment and Recovery constituent list.

Table 2. Recommended Subpart B (Oils Treatment and Recovery) - Tier 2 Sampling

Parameter Type	Parameter	Analyze Onsite
Conventional	Flow	Yes (Discharge Volume/Flow Meters)
	pH	Yes (Probe)
	Glycol	Yes
Metals	Cadmium	Yes (ICP)
	Chromium	Yes (ICP)
	Copper	Yes (ICP)
	Nickel	Yes (ICP)
	Zinc	Yes (ICP)
	Molybdenum	Yes (ICP)

2.4 Subpart C – Organics

This subpart includes wastewaters that have oil and grease concentrations <100 mg/L and contain metal concentrations less than the Subpart A limits, or do not originate from a metals process. These wastewaters typically have a high concentration of organic compounds; however some wastewaters with low organic compound concentrations, such as contaminated groundwater from non-petroleum sources, also require pretreatment under this subpart.

2.4.1 Contaminated Groundwater from Non-Petroleum Sources

The consulting engineer for contaminated groundwater sources typically has extensive data on this type of wastewater. If this data is not available, or the Operator has indications that the wastewater characteristics may have changed, the wastewater will be analyzed for Subpart C, Tier 1 constituents as listed in Table 3. The testing will be conducted one time per year minimum.

Table 3. Recommended Subpart C (Organics Treatment) - Tier 1 Sampling		
Parameter Type	**Parameter**	**Analyze Onsite**
Conventional	Flow	Yes (Discharge Volume/Flow Meters)
	pH	Yes (Probe)
	COD (Surrogate for BOD)	Yes (COD used as surrogate for BOD)
Metals	Cadmium	Yes (ICP)
	Chromium	Yes (ICP)
	Copper	Yes (ICP)
	Nickel	Yes (ICP)
	Zinc	Yes (ICP)
	Molybdenum	Yes (ICP)

2.4.2 Non-Specific Organic Wastewater

Organic wastewater from a facility that does not fall into one of the other defined organics categories, and the volume is greater than 1,000 gallons per year, will be considered a Tier 2 Organics. These wastewaters constituents will be evaluated at a minimum of two times per year. The constituents for Tier 2 Organics sampling are listed in Table 4.

Table 4. Recommended Subpart C (Organics Treatment) - Tier 2 Sampling		
Parameter Type	**Parameter**	**Analyze Onsite**
Conventional	Flow	Yes (Discharge Volume/Flow Meters)
	pH	Yes (Probe)
	COD (Surrogate for BOD)	Yes (COD used as surrogate for BOD)
	Glycol	Yes
Metals	Cadmium	Yes (ICP)
	Chromium	Yes (ICP)
	Copper	Yes (ICP)
	Nickel	Yes (ICP)
	Zinc	Yes (ICP)
	Molybdenum	Yes (ICP)

2.4.3 Landfill Leachate

Landfills collect extensive analytical data that is provided to Aqua Clean. If characterization data is not provided, then Aqua Clean will analyze the wastewater per the requirements of the Tier 3 Organics constituents listed in Table 5; the Tier 3 list includes all compounds in Aqua Clean's discharge permit. A minimum testing for Tier 3 Organics list will be conducted one time per year.

Table 4. Recommended Subpart C (Organics Treatment) - Tier 3 Sampling

Parameter Type	Parameter	Analyze Onsite
Conventional	Flow	Yes (Discharge Volume/Flow Meters)
	BOD	No/Yes (COD as surrogate)
	TSS	No
	TN	No
	Oil and Grease (total)	No
	Conductivity	Yes (Probe)
	pH	Yes (Probe)
	Cyanide	No
Metals	Arsenic	Yes (ICP)
	Cadmium	Yes (ICP)
	Mercury	No
	Molybdenum	Yes (ICP)
	Nickel	Yes (ICP)
	Selenium	Yes (ICP)
	Silver	Yes (ICP)
	Chromium	Yes (ICP)
	Cobalt	Yes (ICP)
	Copper	Yes (ICP)
	Lead	Yes (ICP)
	Tin	No
	Zinc	Yes (ICP)
Organics	Benzene	No
	Ethyl Benzene	No
	Toluene	No

Table 4 (Continued). Recommended Subpart C (Organics Treatment) - Tier 3 Sampling		
Parameter Type	**Parameter**	**Analyze Onsite**
	Xylene	No
	Bis(2-ethylhexyl) Phthalate	No
	Carbazole	No
	o-Cresol	No
	p-Cresol	No
	n-Decane	No
	Fluoranthene	No
	n-Octadecane	No
	2,4,6 - Trichlorophenol	No

2.4.4 Small Volume Organic Wastewater

Wastewater from a facility that does not fall in the previous categories and is less than 1,000 gallons will only require a Material Data Certification Sheet unless the possibility of metals is suspected, then analysis per the requirements of Tier 1 Organics (Table 3) will be conducted.

Attachment A: Material Data Certification Sheet

MATERIAL DATA CERTIFICATION SHEET

AQUA CLEAN ENVIRONMENTAL CO., INC.
3210 WHITTEN ROAD
LAKELAND, FL 33811
PHONE: (863) 644-0665 FAX: (863) 646-1880

_____New Profile
_____Amendment

GENERATOR INFORMATION

Generator Name:_____
Address:_____
City:_____State_____Zip:_____
Contact:_____
Phone:_____Fax:_____

BILLING INFORMATION

Bill To:_____
Address:_____
City:_____State:_____Zip:_____
Contact:_____
Phone:_____Fax:_____

TRANSPORTATION INFORMATION

Transporter:
_____

Estimated
Total Gallons

_____

Actual
Total Gallons

_____

Shipping
Container
- ❑ Drum
- ❑ Tanker
- ❑ Other

Shipping
Frequency
- ❑ One Time
- ❑ Week
- ❑ Month
- ❑ Year
- ❑ Other

D.O.T. SHIPPING NAME:_____

MATERIAL COMPOSITION

Component _____ Concentration _____%

MATERIAL INFORMATION

Flashpoint ❑ Exact_____ ❑ <140 ❑ 140-200 ❑ >200
pH ❑ Exact_____ ❑ <2 ❑ 2-5 ❑ 5-9 ❑ 9-12.5 ❑ >12.5
Specific Gravity ❑ _____ ❑ <0.8 ❑ 0.8-1.0 ❑ 1.0 ❑ 1-1.2 ❑ >1.2
Reactive ❑ Yes ❑ No
%Liquid_____ %Solid_____ %Sludge_____
Phases ❑ Single ❑ Double ❑ Multi
Viscosity ❑ Low ❑ Medium ❑ High
Odor ❑ None ❑ Mild ❑ Strong
Color/Appearance:_____

Specify if any of the contaminants appear below. Attach all MSDSs and current analyses.

Contaminants	Amount Present(mg/l)	Contaminants	Amount Present(mg/l)
Arsenic		Chloromethane	
Cadmium		1,2 Dichlorobenzene	
Chromium		1,4 Dichlorobenzene	
Copper		Ethylbenzene	
Cyanide		Methyl Chloride	
Lead		Methyl Ethyl Ketone	
Mercury		Methylene Chloride	
Molybdenum		Naphthalene	
Nickel		1,1,2,2,-Tetrachloroethane	
Selenium		Tetrachloroethylene	
Silver		Toluene	
Zinc		1,2,4-Trichlorbenzene	
Benzene		1,1,1-Trichlorbenzene	
Cabon Tetrachloride		1,1,2-Trichlorbenzene	
Chlorobenzene		Trichloroethylene	
Chlorethane		Vinyl Chloride	

Is this certification made "applying knowledge of the hazard characteristics of the waste in light of the materials or process used?" ❑ Yes ❑ No

CERTIFICATION

Are any pesticides, herbicides or dioxin present? ❑ Yes ❑ No
Are any biotoxic components present in the material such as cyanide, chlorine, ethylene glycol, etc.)?
❑ Yes ❑ No
Are any PCBs present in the material? ❑ Yes ❑ No
Is there more than one fuel present? ❑ Yes ❑ No
Does the material meet the definition of a hazardous waste according to 40CFR Part 261 and the Florida Hazardous Waste Regulations? ❑ Yes ❑ No

GENERATOR'S CERTIFICATION

I hereby certify that the above description, as well as any other information provided to Aqua Clean, is complete and accurate to the best of my knowledge and ability. I certify that the above described material is the specified material as defined by the above conditions. If my material is found not to be the specified material as defined by any of the above conditions, I am liable for any and all penalties and fines assessed against or expenses, costs (including legal fees), or other damages incurred by Aqua Clean Environmental.

Authorized Signature_____ Printed Name_____

Title_____ Date_____

FOWLER WHITE BOGGS
Attorneys at Law
EST 1943

RON H. NOBLE
DIRECT DIAL: 813-222-1175
RNOBLE@FOWLERWHITE.COM

April 26, 2012

VIA E-MAIL AND
REGULAR U.S. MAIL

Mr. James Dregne
Ms. Beth Knauss
Hazardous Waste Section
Florida Department of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, Fl. 33637

Re: Draft Sampling Plan for Aqua Clean Environmental Co., Inc.
Customer Wastewater Characterization

Dear Jim and Beth:

Thank you for meeting with Mike Zellars of Aqua Clean and me last week to discuss outstanding issues for resolution of the 2011 Warning Letter issued by the Department to Aqua Clean. The purpose of this correspondence is to submit the proposed Sampling Plan to the Department on behalf of Aqua Clean to further characterize and evaluate influent wastewaters from Aqua Clean's customers.

Aqua Clean has retained the professional consulting and engineering services of Brown and Caldwell to assist on this project. Mr. Everett Gill of Brown and Caldwell is a Professional Engineer and recognized expert on industrial wastewater pre-treatment facilities and EPA's Centralized Waste Treatment Rule. Brown and Caldwell has prepared the draft Sampling Plan based upon meetings and input from the City of Lakeland. The proposed Sampling Plan sets forth a "tiered" approach for the periodic characterization and testing of customer wastewaters based upon the volume of wastewater and the type of wastewater generated by each customer. Aqua Clean intends to establish a single Sampling Plan for future waste characterization activities for purposes of consistency and accuracy as opposed to having multiple Sampling Plans with various entities or agencies.

4/12

We welcome any comments the Department may have in connection with the proposed Sampling Plan. In the interim, please do not hesitate to contact me should you have any questions regarding the above matters or if the Department requires any additional information.

Sincerely yours,

FOWLER WHITE BOGGS P.A.

Ron H. Noble

Enclosure

cc: Mr. Mike Zellars (w/out Enclosure)
Everett Gill, P.E. (w/out Enclosure)

Brown AND Caldwell

1560 Sawgrass Corporate Parkway, 4th Floor
Sunrise, FL 33323
Tel: 954-331-4650
Fax: 561-684-9902

Technical Memorandum

Prepared for: Aqua Clean Environmental Co., Inc.

Project Title: Tiered Approach for Influent Sampling

Project No: 142636

Technical Memorandum

Subject: Tiered Approach for Influent Sampling

Date: April 18, 2012

To: Mike Zellars, General Manager, Aqua Clean

Ron Noble, Fowler White Boggs

From: Everett Gill, P.E., Brown and Caldwell

Prepared by: Everett Gill

Everett Gill, P.E.

Reviewed by:

Chris Stanfill

1. Introduction

Aqua Clean Environmental Co., Inc. (Aqua Clean) owns and operates an industrial wastewater pretreatment facility in the City of Lakeland, Florida (Lakeland). This facility treats non-hazardous industrial wastewater and is regulated by the Centralized Waste Treatment (CWT) rule (40 CFR 437). Under this rule, Aqua Clean is permitted to receive wastewaters that are regulated under Subpart B (Oils Treatment and Recovery) and Subpart C (Organics Treatment and Recovery).

Lakeland has requested that Aqua Clean prepare a sampling plan and schedule in order to evaluate that Aqua Clean's current customer waste profiles have not changed and to establish a protocol for initial waste profiles to be performed on all new customers consistent with the requirements of the Wastewater Discharge Permit.

The purpose of this sampling plan and schedule will outline the minimum sampling for customers based upon a tiered approach to address Lakeland's concerns with respect to the type of wastewater and volume of wastewater provided by each customer. Some wastewaters are relatively consistent, while others are more variable. This sampling plan addresses variations in wastewater characteristics based on industry type. Aqua Clean is permitted to accept oil and organics waste, however it is not permitted, nor is it equipped, to treat Subpart A waste (Metals Bearing Waste). The testing proposed includes a comprehensive metals sampling in order to evaluate if a wastewater should not be accepted, including wastewaters that may fall in the Subpart B (Oil) category but contain metal concentrations above the threshold to be considered a Subpart A wastewater. This sampling is not designed to evaluate treatment efficiency of constituents; that testing is conducted per the requirements of the Periodic Certification Statements and the Initial Certification Statement testing.

The treatment plant Operator will be responsible for identifying more frequent testing or additional wastewater constituents that warrant additional testing beyond the minimum listed in this TM. Circumstances which may cause the Operator to require additional testing include (but are not limited to):

- Increased solids concentration or turbidity compared to typical delivery
- Change in odor or appearance in the wastewater
- Change in delivery times or delivery trucks
- Uncharacteristically high volume of wastewater for a particular client
- Increase in wastewater delivery after a long period of no delivery

2. Analytical by Industry

The recommended tiered approach for testing is based on a combination of flows as well as industry type. Some industries such as landfill leachate require a higher number of analyses due to changing constituents as opposed to other industries, such as petroleum contact water, where the constituents are typically consistent from load to load, however the concentrations may vary. Industries and customers with high volumes or more frequent changes in wastewater characteristics are expected to be evaluated at a higher frequency.

2.1 All Shipments

All wastewaters delivered to Aqua Clean will require a Material Data Certification Sheet. This sheet is provided in Appendix A.

2.2 New Customers

As described above, all new customers require a Material Data Certification Sheet profile. Additionally, all new customers will first be categorized into one of the following industry types (described in subsequent sections):

- Subpart B – Petroleum Contact Water – Small Volume
- Subpart B – Contaminated Groundwater From Petroleum Sources
- Subpart B – Petroleum Contact Water – Large Volume
- Subpart C - Contaminated Groundwater from Non-petroleum Sources
- Subpart C – Non-Specific Organic Wastewater
- Subpart C – Landfill Leachate
- Subpart C – Small Volume Organic Wastewater

Prior to accepting the wastewater, Aqua Clean will perform an initial characterization based on the Tiered sampling plan described below; subsequent sampling frequency will depend on industry type.

2.3 Subpart B - Oil

This subpart includes wastewaters that have an oil and grease (O&G) concentration typically >100 mg/L or is generated from a process where oil is the contaminant of concern regardless of the O&G concentration, such as contaminated groundwater from petroleum sources.

2.3.1 Petroleum Contact Water – Small Volume

These wastewaters are typically characterized by high concentrations of oil and low concentrations of metals. The constituents of this wastewater typically do not significantly change between shipments. This wastewater will be tested a minimum of one time per year for Tier 1 Oil (Table 1) constituents.

Table 1. Recommended Subpart B (Oils Treatment and Recovery) - Tier 1 Sampling

Parameter Type	Parameter	Analyze Onsite
Conventional	Flow	Yes (Discharge Volume/Flow Meters)
	pH	Yes (Probe)
Metals	Cadmium	Yes (ICP)
	Chromium	Yes (ICP)
	Copper	Yes (ICP)
	Nickel	Yes (ICP)
	Zinc	Yes (ICP)
	Molybdenum	Yes (ICP)

2.3.2 Contaminated Groundwater from Petroleum Sources

The consulting engineer for contaminated groundwater sources typically has extensive data on this type of wastewater. If this data is not available, or the Operator had indications that the wastewater characterization may have changed, the wastewater will be analyzed for Subpart B, Tier 1 constituents as listed in Table 1 for a minimum of one time per year.

2.3.3 Petroleum Contact Water - Large Volume

As with the small volume petroleum contact wastewaters, these wastewaters are typically characterized by high concentrations of oil and low concentrations of metals. Clients that deliver a larger volume (50,000 gallons/year or more) of this wastewater will increase testing to a minimum of two times per year based on the Tier 2 – Oils Treatment and Recovery constituent list.

Table 2. Recommended Subpart B (Oils Treatment and Recovery) - Tier 2 Sampling

Parameter Type	Parameter	Analyze Onsite
Conventional	Flow	Yes (Discharge Volume/Flow Meters)
	pH	Yes (Probe)
	Glycol	Yes
Metals	Cadmium	Yes (ICP)
	Chromium	Yes (ICP)
	Copper	Yes (ICP)
	Nickel	Yes (ICP)
	Zinc	Yes (ICP)
	Molybdenum	Yes (ICP)

2.4 Subpart C – Organics

This subpart includes wastewaters that have oil and grease concentrations <100 mg/L and contain metal concentrations less than the Subpart A limits, or do not originate from a metals process. These wastewaters typically have a high concentration of organic compounds; however some wastewaters with low organic compound concentrations, such as contaminated groundwater from non-petroleum sources, also require pretreatment under this subpart.

2.4.1 Contaminated Groundwater from Non-Petroleum Sources

The consulting engineer for contaminated groundwater sources typically has extensive data on this type of wastewater. If this data is not available, or the Operator has indications that the wastewater characteristics may have changed, the wastewater will be analyzed for Subpart C, Tier 1 constituents as listed in Table 3. The testing will be conducted one time per year minimum.

Table 3. Recommended Subpart C (Organics Treatment) - Tier 1 Sampling		
Parameter Type	**Parameter**	**Analyze Onsite**
Conventional	Flow	Yes (Discharge Volume/Flow Meters)
	pH	Yes (Probe)
	COD (Surrogate for BOD)	Yes (COD used as surrogate for BOD)
Metals	Cadmium	Yes (ICP)
	Chromium	Yes (ICP)
	Copper	Yes (ICP)
	Nickel	Yes (ICP)
	Zinc	Yes (ICP)
	Molybdenum	Yes (ICP)

2.4.2 Non-Specific Organic Wastewater

Organic wastewater from a facility that does not fall into one of the other defined organics categories, and the volume is greater than 1,000 gallons per year, will be considered a Tier 2 Organics. These wastewaters constituents will be evaluated at a minimum of two times per year. The constituents for Tier 2 Organics sampling are listed in Table 4.

Table 4. Recommended Subpart C (Organics Treatment) - Tier 2 Sampling		
Parameter Type	**Parameter**	**Analyze Onsite**
Conventional	Flow	Yes (Discharge Volume/Flow Meters)
	pH	Yes (Probe)
	COD (Surrogate for BOD)	Yes (COD used as surrogate for BOD)
	Glycol	Yes
Metals	Cadmium	Yes (ICP)
	Chromium	Yes (ICP)
	Copper	Yes (ICP)
	Nickel	Yes (ICP)
	Zinc	Yes (ICP)
	Molybdenum	Yes (ICP)

2.4.3 Landfill Leachate

Landfills collect extensive analytical data that is provided to Aqua Clean. If characterization data is not provided, then Aqua Clean will analyze the wastewater per the requirements of the Tier 3 Organics constituents listed in Table 5; the Tier 3 list includes all compounds in Aqua Clean's discharge permit. A minimum testing for Tier 3 Organics list will be conducted one time per year.

Table 4. Recommended Subpart C (Organics Treatment) - Tier 3 Sampling

Parameter Type	Parameter	Analyze Onsite
Conventional	Flow	Yes (Discharge Volume/Flow Meters)
	BOD	No/Yes (COD as surrogate)
	TSS	No
	TN	No
	Oil and Grease (total)	No
	Conductivity	Yes (Probe)
	pH	Yes (Probe)
	Cyanide	No
Metals	Arsenic	Yes (ICP)
	Cadmium	Yes (ICP)
	Mercury	No
	Molybdenum	Yes (ICP)
	Nickel	Yes (ICP)
	Selenium	Yes (ICP)
	Silver	Yes (ICP)
	Chromium	Yes (ICP)
	Cobalt	Yes (ICP)
	Copper	Yes (ICP)
	Lead	Yes (ICP)
	Tin	No
	Zinc	Yes (ICP)
Organics	Benzene	No
	Ethyl Benzene	No
	Toluene	No

Table 4 (Continued). Recommended Subpart C (Organics Treatment) - Tier 3 Sampling		
Parameter Type	**Parameter**	**Analyze Onsite**
	Xylene	No
	Bis(2-ethylhexyl) Phthalate	No
	Carbazole	No
	o-Cresol	No
	p-Cresol	No
	n-Decane	No
	Fluoranthene	No
	n-Octadecane	No
	2,4,6 - Trichlorophenol	No

2.4.4 Small Volume Organic Wastewater

Wastewater from a facility that does not fall in the previous categories and is less than 1,000 gallons will only require a Material Data Certification Sheet unless the possibility of metals is suspected, then analysis per the requirements of Tier 1 Organics (Table 3) will be conducted.

Attachment A: Material Data Certification Sheet

MATERIAL DATA CERTIFICATION SHEET

AQUA CLEAN ENVIRONMENTAL CO., INC.
3210 WHITTEN ROAD
LAKELAND, FL 33811
PHONE: (863) 644-0665 FAX: (863) 646-1880

_____New Profile
_____Amendment

GENERATOR INFORMATION

Generator Name:_____
Address:_____
City:_____State_____Zip:_____
Contact:_____
Phone:_____Fax:_____

BILLING INFORMATION

Bill To:_____
Address:_____
City:_____State:_____Zip:_____
Contact:_____
Phone:_____Fax:_____

TRANSPORTATION INFORMATION

Transporter:
_____

Estimated
Total Gallons

_____

Actual
Total Gallons

_____

Shipping
Container
- ☐ Drum
- ☐ Tanker
- ☐ Other

Shipping
Frequency
- ☐ One Time
- ☐ Week
- ☐ Month
- ☐ Year
- ☐ Other

D.O.T. SHIPPING NAME:_____

MATERIAL COMPOSITION

Component _____ Concentration _____%

MATERIAL INFORMATION

Flashpoint ❑ Exact_____ ❑ <140 ❑ 140-200 ❑ >200
pH ❑ Exact_____ ❑ <2 ❑ 2-5 ❑ 5-9 ❑ 9-12.5 ❑ >12.5
Specific Gravity ❑ _____ ❑ <0.8 ❑ 0.8-1.0 ❑ 1.0 ❑ 1-1.2 ❑ >1.2
Reactive ❑ Yes ❑ No
%Liquid_____ %Solid_____ %Sludge_____
Phases ❑ Single ❑ Double ❑ Multi
Viscosity ❑ Low ❑ Medium ❑ High
Odor ❑ None ❑ Mild ❑ Strong
Color/Appearance:_____

Specify if any of the contaminants appear below. Attach all MSDSs and current analyses.

Contaminants	Amount Present(mg/l)	Contaminants	Amount Present(mg/l)
Arsenic		Chloromethane	
Cadmium		1,2 Dichlorobenzene	
Chromium		1,4 Dichlorobenzene	
Copper		Ethylbenzene	
Cyanide		Methyl Chloride	
Lead		Methyl Ethyl Ketone	
Mercury		Methylene Chloride	
Molybdenum		Naphthalene	
Nickel		1,1,2,2,-Tetrachloroethane	
Selenium		Tetrachloroethylene	
Silver		Toluene	
Zinc		1,2,4-Trichlorbenzene	
Benzene		1,1,1-Trichlorbenzene	
Cabon Tetrachloride		1,1,2-Trichlorbenzene	
Chlorobenzene		Trichloroethylene	
Chlorethane		Vinyl Chloride	

Is this certification made "applying knowledge of the hazard characteristics of the waste in light of the materials or process used?" ❑ Yes ❑ No

CERTIFICATION

Are any pesticides, herbicides or dioxin present? ❑ Yes ❑ No
Are any biotoxic components present in the material such as cyanide, chlorine, ethylene glycol, etc.)?
❑ Yes ❑ No
Are any PCBs present in the material? ❑ Yes ❑ No
Is there more than one fuel present? ❑ Yes ❑ No
Does the material meet the definition of a hazardous waste according to 40CFR Part 261 and the Florida Hazardous Waste Regulations? ❑ Yes ❑ No

GENERATOR'S CERTIFICATION

I hereby certify that the above description, as well as any other information provided to Aqua Clean, is complete and accurate to the best of my knowledge and ability. I certify that the above described material is the specified material as defined by the above conditions. If my material is found not to be the specified material as defined by any of the above conditions, I am liable for any and all penalties and fines assessed against or expenses, costs (including legal fees), or other damages incurred by Aqua Clean Environmental.

Authorized Signature_____Printed Name_____

Title_____Date_____

Knauss, Elizabeth

From: Dregne, James
Sent: Friday, September 28, 2012 10:57 AM
To: Knauss, Elizabeth
Subject: FW: RCRA Manager's Meeting
Attachments: Marathon NONHAZ212235.pdf; Aqua Clean Marathon profile.pdf

From: Dregne, James
Sent: Wednesday, April 25, 2012 9:40 AM
To: Kantor, Karen E.
Subject: RE: RCRA Manager's Meeting

Good Morning Karen,

I have attached for your information the shipping manifest and the waste profile for the shipment from the Spangler Terminal Marathon. It is interesting that the profile says that it has two phases which is what I would expect it to say. That would mean petroleum floating on water. I am not sure what petroleum product makes up the 4%, but they say there is no benzene present. I am not sure if that would be correct.

We are going to be taking a closer look at our terminals and see what kinds of PCW they are generating and how they are manifesting it.

Hope this helps.
Jim D.

From: Kantor, Karen E.
Sent: Wednesday, April 25, 2012 8:53 AM
To: Dregne, James
Subject: RE: RCRA Manager's Meeting

Hi Jim:

Can you send me the name of the Ft. Lauderdale facility you mentioned in the meeting yesterday, that was the source of the "PCW" that caused last summer's fire at Aqua Clean?

Thanks,
Karen

From: Dregne, James
Sent: Tuesday, April 24, 2012 1:25 PM
To: Erickson, John; Bahr, Tim; Bayly, Karen; Byer, James; Frohock, Linda; Galka, Rich; Graves, Aprilia; Holmes, Georgiana; Rainey, Julie C.; Kantor, Karen E.; Kothur, Bheem; Kraemer, Janine; Malloy, Bonnie; Miller, Randy J.; Noland, Tiffaney; Patel, Ashwin; Perrigan, Glen; Price, John L. "Jack"; Rainey, Julie C.; Russell, Merlin; Tenace, Laurie; Tripp, Anthony; Valade, Vicky; White, John; White, Kirk; Wilcox, Erin G.; Winston, Kathy
Subject: RE: RCRA Manager's Meeting

FYI

From: Erickson, John
Sent: Monday, April 23, 2012 8:09 AM
To: Bahr, Tim; Bayly, Karen; Byer, James; Dregne, James; Frohock, Linda; Galka, Rich; Graves, Aprilia; Holmes, Georgiana; Rainey, Julie C.; Kantor, Karen E.; Knauss, Elizabeth; Kothur, Bheem; Kraemer, Janine; Malloy, Bonnie; Miller, Randy J.; Noland, Tiffaney; Patel, Ashwin; Perrigan, Glen; Price, John L. "Jack"; Rainey, Julie C.; Russell, Merlin; Tenace, Laurie; Tripp, Anthony; Valade, Vicky; White, John; White, Kirk; Wilcox, Erin G.; Winston, Kathy
Subject: RCRA Manager's Meeting

Good morning all,
Here is the short agenda for tomorrow's meeting.
Thanks,
John

John W. Erickson
RCRA Compliance/Enforcement
Department of Environmental Protection
2600 Blair Stone Rd, MS#4560
Tallahassee, Fl. 32399-2400
850.245.8767

http://www.dep.state.fl.us/waste/categories/hwRegulation/default.htm

FT 3623639

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. FID 000604637	Manifest Document No. 212235	2. Page 1 of 1
3. Generator's Name and Mailing Address: Marathon Petroleum Company, 909 South East 24th Street, Fort Lauderdale, FL 33316			
4. Generator's Phone (954) 525 8410			
5. Transporter 1 Company Name: Clean Harbors Env.	6. US EPA ID Number: MAD039322250	A. State Transporter's ID	B. Transporter 1 Phone: 1781 792 5000
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID	D. Transporter 2 Phone
9. Designated Facility Name and Site Address: Clean Harbors Environmental, 3210 Whitten Rd, Lakeland, FL 33810	10. US EPA ID Number: FLR000034033	E. State Facility's ID	F. Facility's Phone: 863 644 0665

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous, non DOT regulated, (water with trace Petroleum Product)	1	TT	2128	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: 11A DS-MA6185-AC

H. Handling Codes for Wastes Listed Above: 7/7/11 8:5 AM

15. Special Handling Instructions and Additional Information: W110212235 E.# (800) 483-3718

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Month	Day	Year
Joseph D. Lammers	[signature]	7	6	11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Francisco Alvarado	[signature]	07	06	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	7	6	11

MATERIAL DATA CERTIFICATION SHEET

AQUA CLEAN ENVIRONMENTAL COMPANY, INC.
3210 WHITTEN ROAD
LAKELAND, FL
PHONE: (863) 644-0665 FAX: (863) 646-1880

__X__ New Profile
_____ Amendment

DS-MA6185-AC

GENERATOR CERTIFICATION

Generator Name: Spangler Terminal Marathon
Address: 909 South East 24th Street
City: Ft Lauderdale State: Florida Zip: 33316
Contact: Manny Jeffers
Phone: 954-525-8410 Fax:

BILLING INFORMATION

Bill To: *Clean Harbors Environmental Services*
Address: 170 Bartow Municipal Airport
City: Bartow State: FL Zip: 33830
Billing Contact: Deanna McDuffie
Phone: 863-533-6111 Fax: 863-519-6306

TRANSPORTATION INFORMATION

Transporter: Clean Harbors Environmental Services

Estimated Total Gallons	Shipping Container	Shipping Frequency
3000-5000	☐ Drum	One Time
Actual	☑ Tanker	☐ Week
Total Gallons	☐ Other	x Month
		☐ Year
		☐ Other

D.O.T SHIPPING NAME: Non Hazardous, Non-DOT regulated, (petroleum product and water) NA, none

MATERIAL COMPOSITION

Component	Concentration
water	96%
petroleum product	4%

MATERIAL INFORMATION

Flashpoint	☐ Exact_____	☐ <140	☐ 140-200	☑ >200		
pH	☐ Exact_____	☐ <2	☐ 2-5	☑ 5-9	☐ 9-12.5	☐ >12.5
Specific Gravity	☐ _____	☐ <0.8	☐ 0.8-1.0	☐ 1.0	☑ 1-1.2	☐ >1.2
Reactive	☐ Yes	☑ No				

% Liquid 100 % Solid_____ % Sludge__

Phases	Single	X☐ Double	☐ Multi
Viscosity	X☐ Low	☐ Medium	High
Odor	☐ None	☑ Mild	☐ Strong

Color/Appearance ____clear_____

Specify if any of the contaminants appear below. Attach all MSDSs and current analyses.
ARE ANY OF THE CONTAMINANTS BELOW PART OF THE WASTESTREAM? ☐ Yes ☑ No

Contaminants	Amount Present (mg/l)	Contaminants	Amount Present (mg/l)
Arsenic		Chloromethane	
Cadmium		1,2 Dichlorobenzene	
Chromium		1,4 Dichlorobenzene	
Copper		Ethylbenzene	
Cyanide		Methyl Chloride	
Lead		Methyl Ethyl Ketone	
Mercury		Methylene Chloride	
Molybdenum		Naphthalene	
Nickel		1,1,2,2-Tetrachloroethane	
Selenium		Tetrachloroethylene	
Silver		Toluene	
Zinc		1,2,4-Trichlorobenzene	
Benzene		1,1,1-Trichlorobenzene	
Carbon Tetrachloride		1,1,2-Trichloroethane	
Chlorobenzene		Trichloroethylene	
Chloroethane		Vinyl Chloride	

Is this certification made "applying knowledge of the hazard characteristic of the waste in light of the materials or the process used?" ☑ Yes ☐ No

CERTIFICATION

Are any pesticides, herbicides or dioxins present? ☐ Yes ☑ No
Are any biotoxic components present in the material (such as cyanide, chlorine, ethylene glycol, etc.)?
☐ Yes ☑ No
Are any PCBs present in the material? ☐ Yes ☑ No
Is there more than one fuel present? ☐ Yes ☑ No
Does the material meet the definition of a hazardous waste according to 40CFR Part 261 and the Florida Hazardous Waste Regulations? ☐Yes ☑ No
If the material is PCW water, then does it contain levels of hazardous constituents above those found in the source of the PCW? ☐ Yes ☑ No N/A

GENERATOR'S CERTIFICATION

I hereby certify that the above description, as well as any other information provided to Aqua Clean, is complete and accurate to the best of my knowledge and ability. I certify that the above-described material is the specified material as defined by the above conditions. If my material is found not to be the specified material as defined by any of the above conditions, I am liable for any and all penalties and fines assessed against or expenses, costs (including legal fees), or other damages incurred by Aqua Clean Environmental.

Authorized Signature _____ Printed Name Jason Peet

Florida Department of
Environmental Protection
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

DATE: 4/17/2012

TIME: 10:00 am

SUBJECT: Aqua Clean Environmental

ATTENDEES

Name	Affiliation	Telephone	E-Mail (all DEP attendees @dep.state.fl.us)
James Dregne	FDEP	813/632-7600 ext 410	James.Dregne@dep.state.fl.us
Elizabeth Knauss	FDEP	" ext 383	Elizabeth.Knauss@dep.state.fl.us
Ron Noble	Fowler White	813-228-7411	rnoble@fowlerwhite.com
Mike Zellars	Agua Clean	863-644-0665	mszellars@tampabay.rr.com

Aqua Clean / - Recycling Solutions
Mike Zellars - Plant Manage

7/7/2005 CEI
11/18/2008 CEI
7/7/2011 Fire

8/31/2011 CEI

10/21/2011 Warning Ltr.

12/6/2011 Enf. Meeting
12/9/2011 Enf Meeting
1/9/2012 PCB Meeting
2/17/2012 LTR

4/3/2012 Fire

Rincat - Acid digestion waste
Aqui Source - glycerin bottoms - Flamable
Quality Aerospace Coatings - chromic Acid anodizing F006
- chromate conversion coating F019
Prima Die Casting - used oil = waste water
MRC Precision Metal Optics
PCI of Titusville

SOP -

New Profile Form

#

process description

Non regulated non RCRA metals - Pretreatment

permet metals

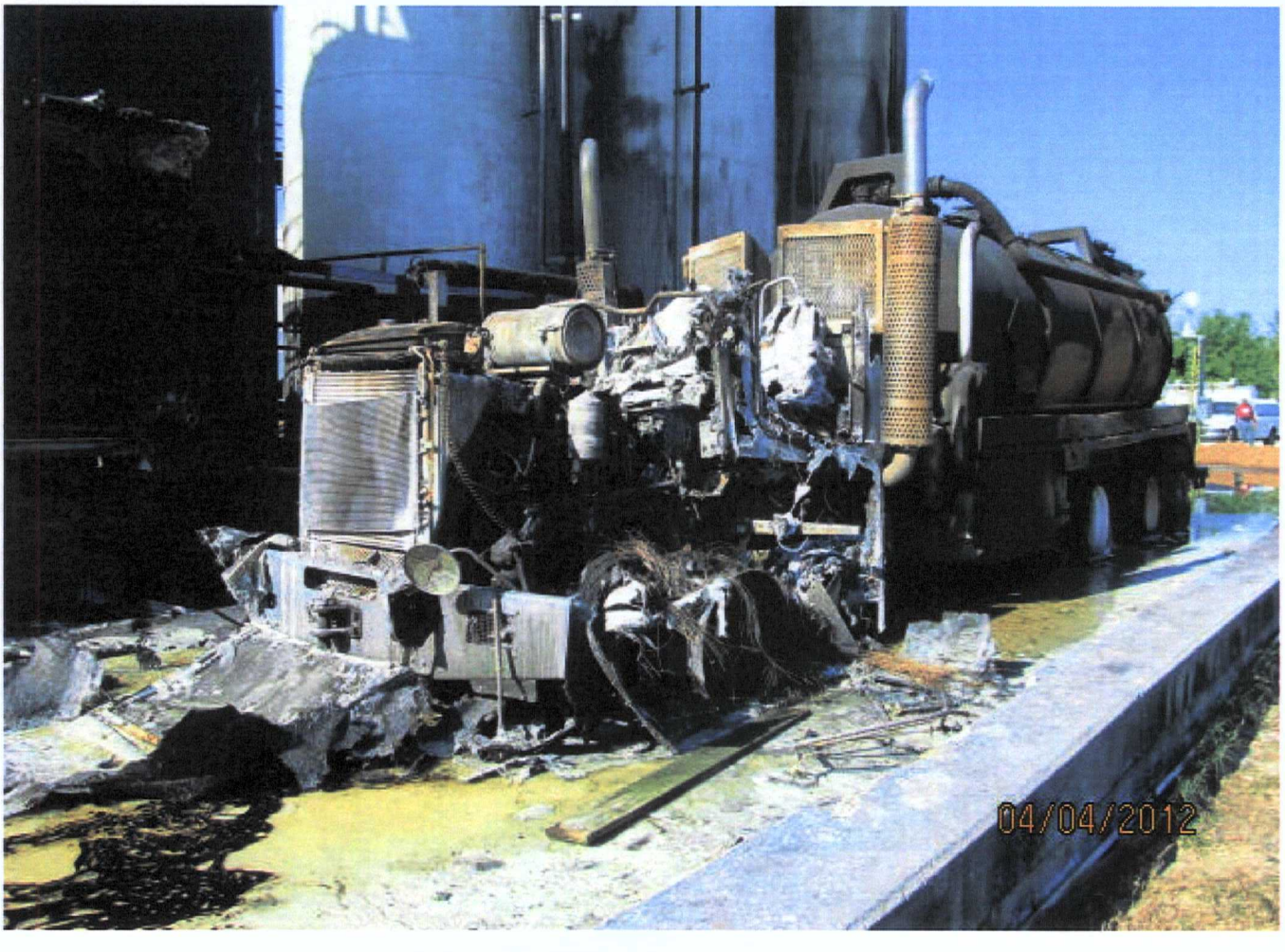
Aqua Clean personnel approving profile

- complete

- non - haz.

Manifest Description - NON HAZ. Non Reg Waste Water


7/1/2011


04/04/2012

MATERIAL DATA CERTIFICATION SHEET

AQUA CLEAN ENVIRONMENTAL CO., INC.
3210 WHITTEN ROAD
LAKELAND, FL 33811
PHONE: (863) 644-0665 FAX: (863) 646-1880

_____New Profile
_____Amendment

GENERATOR INFORMATION

Generator Name:_____
Address:_____
City:_____State_____Zip:_____
Contact:_____
Phone:_____Fax:_____

BILLING INFORMATION

Bill To:_____
Address:_____
City:_____State:_____Zip:_____
Contact:_____
Phone:_____Fax:_____

TRANSPORTATION INFORMATION

Transporter:
_____

Estimated
Total Gallons

_____

Actual
Total Gallons

_____

Shipping
Container
- ❑ Drum
- ❑ Tanker
- ❑ Other

Shipping
Frequency
- ❑ One Time
- ❑ Week
- ❑ Month
- ❑ Year
- ❑ Other

D.O.T. SHIPPING NAME:_____

MATERIAL COMPOSITION

Component _____ Concentration _____%

MATERIAL INFORMATION

Flashpoint ❑ Exact_____ ❑ <140 ❑ 140-200 ❑ >200
pH ❑ Exact_____ ❑ <2 ❑ 2-5 ❑ 5-9 ❑ 9-12.5 ❑ >12.5
Specific Gravity ❑ _____ ❑ <0.8 ❑ 0.8-1.0 ❑ 1.0 ❑ 1-1.2 ❑ >1.2
Reactive ❑ Yes ❑ No
%Liquid_____ %Solid_____ %Sludge_____
Phases ❑ Single ❑ Double ❑ Multi
Viscosity ❑ Low ❑ Medium ❑ High
Odor ❑ None ❑ Mild ❑ Strong
Color/Appearance:_____

Specify if any of the contaminants appear below. Attach all MSDSs and current analyses.

Contaminants	Amount Present(mg/l)	Contaminants	Amount Present(mg/l)
Arsenic		Chloromethane	
Cadmium		1,2 Dichlorobenzene	
Chromium		1,4 Dichlorobenzene	
Copper		Ethylbenzene	
Cyanide		Methyl Chloride	
Lead		Methyl Ethyl Ketone	
Mercury		Methylene Chloride	
Molybdenum		Naphthalene	
Nickel		1,1,2,2,-Tetrachloroethane	
Selenium		Tetrachloroethylene	
Silver		Toluene	
Zinc		1,2,4-Trichlorbenzene	
Benzene		1,1,1-Trichlorbenzene	
Cabon Tetrachloride		1,1,2-Trichlorbenzene	
Chlorobenzene		Trichloroethylene	
Chlorethane		Vinyl Chloride	

Is this certification made "applying knowledge of the hazard characteristics of the waste in light of the materials or process used?" ❑ Yes ❑ No

CERTIFICATION

Are any pesticides, herbicides or dioxin present? ❑ Yes ❑ No
Are any biotoxic components present in the material such as cyanide, chlorine, ethylene glycol, etc.)?
❑ Yes ❑ No
Are any PCBs present in the material? ❑ Yes ❑ No
Is there more than one fuel present? ❑ Yes ❑ No
Does the material meet the definition of a hazardous waste according to 40CFR Part 261 and the Florida Hazardous Waste Regulations? ❑ Yes ❑ No

GENERATOR'S CERTIFICATION

I hereby certify that the above description, as well as any other information provided to Aqua Clean, is complete and accurate to the best of my knowledge and ability. I certify that the above described material is the specified material as defined by the above conditions. If my material is found not to be the specified material as defined by any of the above conditions, I am liable for any and all penalties and fines assessed against or expenses, costs (including legal fees), or other damages incurred by Aqua Clean Environmental.

Authorized Signature_____ Printed Name_____

Title_____ Date_____

Knauss, Elizabeth

From: Knauss, Elizabeth
Sent: Tuesday, April 17, 2012 8:47 AM
To: Fellabaum, Pamela
Subject: RE: Petroleum Aids

I looked at the Bing bird's eye view of the facility and Google's aerials and saw a couple of totes stored in that location. I was wondering if they were the totes being used, because I didn't see any labels on either type. There were also a couple of tanks at the rear of the Lewis Oil facility that don't seem to be registered , and was wondering if they were spare or were holding product.

We had a case at one time with a bulk distribution plant that leased a tank to one of our used oil haulers, who filled it with his oil that exceeded the rebuttable presumption, and then left it for the bulk plant owner to deal with...

From: Fellabaum, Pamela
Sent: Tuesday, April 17, 2012 8:18 AM
To: Knauss, Elizabeth
Subject: RE: Petroleum Aids

I think the steel ones stay at the facility. They said totes and drums, so I assumed the smaller plastic ones were used. The large ones don't look like they have been moved around. I can verify this with them if you want me to.

From: Knauss, Elizabeth
Sent: Monday, April 16, 2012 9:58 AM
To: Fellabaum, Pamela
Subject: RE: Petroleum Aids

Pam – in photo 5006 there are three steel IBCs in a row next to the building wall. Was Petroleum Aids using these to transport or hold product? Or both that kind and the plastic type with the steel cage?

From: Fellabaum, Pamela
Sent: Friday, April 13, 2012 4:46 PM
To: Knauss, Elizabeth
Subject: Petroleum Aids

Beth,

Please see the attached photos.

Pam

Knauss, Elizabeth

From: Knauss, Elizabeth
Sent: Friday, April 06, 2012 8:52 AM
To: Dregne, James
Subject: PCW
Attachments: 060253

Can we add this memo to the next RCRA manager's meeting discussion in view of AquaClean's fire?

U.S. Department
of Transportation

**Pipeline and
Hazardous Materials Safety
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

DEC 19 2006

Mr. Larry Moothart
Belshire Environmental Services, Inc.
25971 Towne Center Drive
Foothill Ranch, CA 92619

Reference No.: 06-0253

Dear Mr. Moothart:

This responds to your letter requesting clarification of the Hazardous Materials Regulations (HMR; 49 CFR Parts 171-180) regarding the classification and proper shipping name of a gasoline and water mixture. You ask if the State of Florida may require the mixture to be described as "Petroleum Contact Water," and whether the mixture should be described on the shipping paper as "Gasoline mixture" or "Flammable liquid, n.o.s."

Under the HMR, "Petroleum Contact Water" is not a proper shipping name and may not be used to describe a hazardous material. A hazardous material mixed with a non-hazardous material must be described using the proper shipping name of the hazardous material and the qualifying word "mixture" or "solution," as appropriate, unless any of the provisions in § 172.101(c)(1))(i)(A) through (F) apply. The most appropriate proper shipping name for a gasoline and water mixture meeting the definition of a flammable liquid is "Gasoline mixture, UN1203." The phrase "Petroleum Contact Water" may, however, be indicated following the basic description. A mixture or solution that does not meet the definition of a DOT hazard class, is not a hazardous waste, hazardous substance or marine pollutant is not subject to the HMR.

I trust this satisfies your request.

Sincerely,

Hattie L. Mitchell
Chief, Regulatory Review and Reinvention
Office of Hazardous Materials Standards

060253

173.101

BELSHIRE
ENVIRONMENTAL
SERVICES, INC.

25971 Towne Centre Drive
Foothill Ranch, CA 92610
(949) 460-5200
Fax (949) 460-5210

Corbin
$172.101
Shipping Name
06-0253

November 1, 2006

Mr. Edward Mazzullo
U.S. Department of Transportation
Pipeline and Hazardous Materials Administration
Office of Hazardous Materials Standards
400 Seventh Street. S.W.
Washington, D.C. 20590

Sent via U.S. Mail and fax to (202) 366-3012

Dear Mr. Mazzullo

Belshire Environmental Services, Inc. is requesting an interpretation from the DOT concerning the management of gasoline and water mixtures in the State of Florida when shipping gasoline and water mixtures in bulk (2400 gallon to 5,000 gallon vacuum trucks) and non bulk packages (55 gallon drums).

Background

The Florida Department of Environmental Protection (Florida DEP) has adopted management practices for gasoline and water mixtures which are referred to in Florida as "Petroleum Contact Water" (PCW). These management practices were developed by the Florida DEP to promote waste minimization by encouraging the recycling of PCW. Some example sources of PCW include condensate from above ground and below ground gasoline storage tanks, water bottoms or draw down water from a gasoline storage tanks system, gasoline tank filler sump and dispenser sump water and pumpable liquids from gasoline tank cleaning operations.

According to the PCW regulations established by the Florida DEP, when managing gasoline water mixtures from the sources of PCW described in the previous paragraph, the shipper shall identify the material on the shipping paper and the label as "Petroleum Contact Water".

Regulatory Interpretation

It is my understanding that "Petroleum Contact Water" will in most instances meet the definition of a hazardous material. The physical properties of "Petroleum Contact Water" usually consist of a layer of a gasoline floating on the water layer due to the negligible solubility of gasoline in water. When testing the gasoline and water mixture for the flash point, it is anticipated the test will yield a flash point at levels similar to that of gasoline which is below 100 degrees F.

According to the hazardous material regulations, a "flammable liquid" is defined as a material with a flash point of not more than 100 degrees F. The hazardous material regulations (172.202) require that the hazardous material description on the shipping paper is identified with a shipping name in table 172.101, as well as the hazard class, the ID number and the packing group. Additionally, the hazardous material regulations require the shipper to properly mark, label and placard the hazardous material in compliance with Subparts D, E and F of part 172.

Regulatory Concern

It is my understanding that the state of Florida DEP has the authority to mandate the shipping name as "Petroleum Contact Water" when the material is not subject to the Hazardous Material Regulations. However, when the Petroleum Contact Water is a flammable liquid as defined in the hazardous material regulations, it is a violation to use "Petroleum Contact Water" as a proper shipping name.

Regulatory Questions

1. Do Florida's PCW regulations as described above violate DOT regulations?

2. Is any State agency authorized to supersede the Hazardous Material Regulations; such as requesting the use of a State specific shipping name for a hazardous material such as "Petroleum Contact Water" rather than a shipping name identified in the hazardous material table 172.101?

3. It is my understanding when managing a hazardous material such as a flammable liquid, the term "Petroleum Contact Water" may be entered on the shipping paper but must be entered on the shipping paper after the basic description. Is this correct?

4. When shipping a flammable liquid mixture consisting of a single hazardous constituent such as gasoline and water mixture, which of the following shipping names is correct?
   A. Gasoline mixture, 3 UN1203 P.G. II
   B. Flammable Liquid, n.o.s. 3 UN1993 P.G. II (Gasoline)

Please feel free to contact me at any time.

Best Regards,

Larry Moothart
Belshire Environmental Services, Inc.

Florida Department of

Memorandum

Environmental Protection

To: file

From: Elizabeth Knauss

Date: 4/16/2012

Subject: Aqua Clean Environmental - Polk County
4/13/2012 Conversation with NE District Staff re Petroleum Aids. Inc.

Pam Fellabaum, Ashwin Patel and Vicky Valade called to discuss Pam's findings regarding her inspection of Petroleum Aids and Lewis Oil earlier that day. Two Alachua County SQG Program staff were also on the inspection.

Kim Bond represented Petroleum Aids as the manager. He was the person who had signed the 4/3/12 shipping paper to Aqua Clean. The previous manager, Bob Dare had signed the waste profile. Pam said that Bonds had not been provided with any significant training with regard to management of Petroleum Contact Water, or USDOT hazardous materials transportation. Petroleum Aids provides maintenance services for the retail stations operated by Lewis Oil.

Pam indicated that the president of Lewis Oil, who is also president of Petroleum Aids had a history of noncompliance with Tanks Program regulations, according to their Tanks Program staff. That person was not present for the inspection.

She had not yet had a chance to check with Tanks Program staff regarding the status of the tanks Petroleum Aids was using to store waste. According to Pam's conversation with Bond, the material in the tanks was comprised of a large proportion of fuel that had gone bad and had to be pumped from the retail locations. Petroleum Aids does not recover product from the PCW, but instead transfers it to AquaClean.

Petroleum Aids transported the fuel from the stations to their central location in totes.

She said that the tanks are emptied using a hose and portable pump, through the top hatch. She did not know whether the Aqua Clean driver placed the hose, or Petroleum Aids staff. She said she would send several photos of the facility to show the setup.

NON-HAZARDOUS WASTE MANIFEST

(Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 120426

2. Page 1 of

3. Generator's Name and Mailing Address: Petroleum Aids Inc. 605 S.E. Depot Ave. Gainsville, FL, 32601

4. Generator's Phone ( )

5. Transporter 1 Company Name: AQUA Clean

6. US EPA ID Number: FLR000034033

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: AQUA Clean 3210 Whitten Rd. Lakeland FL, 33811

10. US EPA ID Number: FLR000034033

E. State Facility's ID

F. Facility's Phone: (863) 644-0665

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. P.C.W. / Fuel / Waste	4	Tanks	3500	GALS
b.			4/13/12	
c.			4:30pm	
d.				

GENERATOR

NON-HAZARDOUS WASTE

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information: Pumped out 3½ Tanks.

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this consignment are fully and accurately described above and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: [illegible] Signature: [signature] Date: Month 4 Day 13 Year 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Thomas Morgan Signature: [signature] Date: Month 4 Day 13 Year 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Date: Month Day Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name: Jackie Giles Signature: [signature] Date: Month 4 Day 13 Year 12

Rev. 3/95

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CESQG | 2. Page 1 of: 1 | 3. Emergency Response Phone: 800-535-5053 | 4. Waste Tracking Number: 14138

5. Generator's Name and Mailing Address
Lewis Oil Co - Kim Bono (Petro Aids)
621 SE Depot Ave
Gainesville, FL 32601
Generator's Phone: 352 376-3293

Generator's Site Address (if different than mailing address)
Kim's cell:
352-318-0051

6. Transporter 1 Company Name: Perma-Fix of Florida, Inc. | U.S. EPA ID Number: FLD980711071

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address
Perma-Fix of Florida, Inc.
1940 N.W. 67th Place
Gainesville, FL 32653
Facility's Phone: 352-373-6066

U.S. EPA ID Number: FLD980711071

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Material (Oil/Diesel Contaminated Absorbent/Rags) PF #46868	~~XXX~~	DM	165	G
2. Non-Regulated Material (Petroleum Contaminated Soil) PF #47200 * 2 BARRELS TANK BOTTOMS	XXO	DM	330	G
3.				
4.				

13. Special Handling Instructions and Additional Information
Caller must I.D. Perma-Fix of Florida, Inc. Mail Invoice to Petroleum Aids, 605 SE Depot Ave, Gainesville FL 32601 Attn: Kim Bono

1 X OVERPACK USED / FOR TRANSPORT - 1A2 @ 1000

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: KIM BONO | Signature | Month: 04 Day: 18 Year: 12

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Doug Green | Signature | Month: 4 Day: 18 Year: 12

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tom McGrath | Signature | Month: 4 Day: 18 Year: 12

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY


HAZARDOUS
WASTE
STORAGE
04/13/2012


DANGER
UNAUTHORIZED
PERSONNEL
KEEP OUT!
DANGER
UNAUTHORIZED
PERSONNEL
KEEP OUT!
04/13/2012


DANGER
04/13/2012


04/13/2012

Florida Department of

Memorandum

Environmental Protection

To: file

From: Elizabeth Knauss

Date: 4/16/2012

Subject: Aqua Clean Environmental - Polk County
4/4/2012 Site Visit

A site visit was conducted at Aqua Clean with Dominic LetoBarone of the Emergency Response section to obtain further information on the fire that the facility reported on 4/3/2012. Emergency Response and the Lakeland Fire Department had previously responded to the scene. The new general manager, Mike Zellars represented the company during the visit.

The follow up visit confirmed that the fire had been limited to the transport vehicle and unloading area. The burned vehicle was still on site. The waste water treatment and oil storage tanks were not involved, and did not appear to be damaged, although some above ground piping was damaged and required replacement. The new electrical panel north of the tank farm was not damaged.

According to Mr. Zellars, Aqua Clean had transported a load of petroleum contact water from Petroleum Aids in Gainesville. The material was being unloaded in the open pit, and a gasoline powered pump was being used to transfer the liquid to the tanks. The company had an LEL meter and alarm above the south end of the unloading sump, but not on the north end. The pump was located on the south side of the pit, between the pit and the solidification pad. At the same time, a load of gypsum waste water from James Hardie Manufacturing (Hardieboard) was being unloaded on the north side of the pad.

Mr. Zellars indicated that the pump backfired, igniting the vapors. The fire then spread back to the transport vehicle. Water spray was used to put out the fire, and no foam or chemical retardants were used. Water spray traveled to the north storm water pond. LetoBarone indicated there was a sheen on this pond the prior day, and several small dead fish were noted in the pond. Runoff from the fire also appeared to have contaminated the soil north of the tank farm, off the pavement.

In addition, cloudy gypsum waste water had entered the control structure routing water from the paved areas to the south east storm water pond. The pond was also cloudy, although no dead fish were noted. A blue heron was in the pond.

Mr, Zellars indicated that Streamline Environmental would be called in as a site cleanup contractor.

Copies of the shipping papers and waste profiles for the petroleum contact water indicated that the material to be shipped would be a single phase, with flash point and benzene content marked "not applicable." The material was not described as a flammable liquid on the shipping papers. Thomas Morgan of Aqua Clean was the driver In a previous meeting with Aqua Clean, Mr. Morgan was reported to have a Hazmat endorsement on his commercial driver's license. Aqua Clean's PHMSA registration has expired. Lewis Oil Co., co-located with Petroleum Aids has a current registration, but Petroleum Aids does not.

The District informed the NE District Office of the incident, and requested assistance in inspecting Petroleum Aids for compliance with Department regulations related to management of Petroleum Contact Water.

Florida Recycling is now processing used oil filters. Several containers labeled "used oil filters" and a couple of drums without labels were noted in the area in front of the crushing equipment. Mr. Zellars was requested to label the unlabeled containers.

Knauss, Elizabeth

From: Knauss, Elizabeth
Sent: Thursday, April 05, 2012 11:03 AM
To: Patel, Ashwin
Cc: Valade, Vicky; Dregne, James
Subject: Inspection Referral
Attachments: petroleum aids manifest and profile.pdf; IMG_0755.JPG; IMG_0723.JPG

Would you be willing to inspect a facility in Gainesville that shipped a load of PCW to Aqua Clean without determining it was flammable?

It caused a fire at Aqua Clean late on Tuesday. We have an open case with them regarding their waste profiling practices.

The material that caught fire had been shipped by Petroleum Aids, 605 SE Depot Ave. Aqua Clean transported the load. Petroleum Aids is a sister corporation to Lewis Oil, and all the properties appear to be contiguous per MapDirect. The site is Lewis Oil's bulk plant.

FLD000611889	52742	Lewis Oil Co Inc	NED	701 SE 7th St	Gainesville	32601

From Sunbiz
Lewis Oil Co. Inc.
621 SE DEPOT (7TH) AVENUE (there is a different notification for this address under Texaco (FLD984190934 - status closed)
GAINESVILLE FL 32601

Petroeum Aids, Inc.
605 SOUTHEAST DEPOT AVENUE
GAINESVILLE FL 32601

Jualene Lewis is listed as president of both corporations. http://lewisoilco.com/petaids.html

The material profile (from 2003 and renewed in 2010)indicated that the waste was single layered PCW and non flammable. The material was not shipped as a flammable liquid. The fire occurred when flammable vapors encountered a spark and flashed. The fire spread to the transport vehicle, but did not spread to the facility's storage tanks.

Would you guys be willing to inspect the company and let us know a couple of items?

1. Who are Kim Bond and Bob Dare, which company do they work for, and have they received USDOT hazmat training?

2. How was the material generated? At the facility or at retail stations? Is Petroleum Aids a non notified PCW transporter?

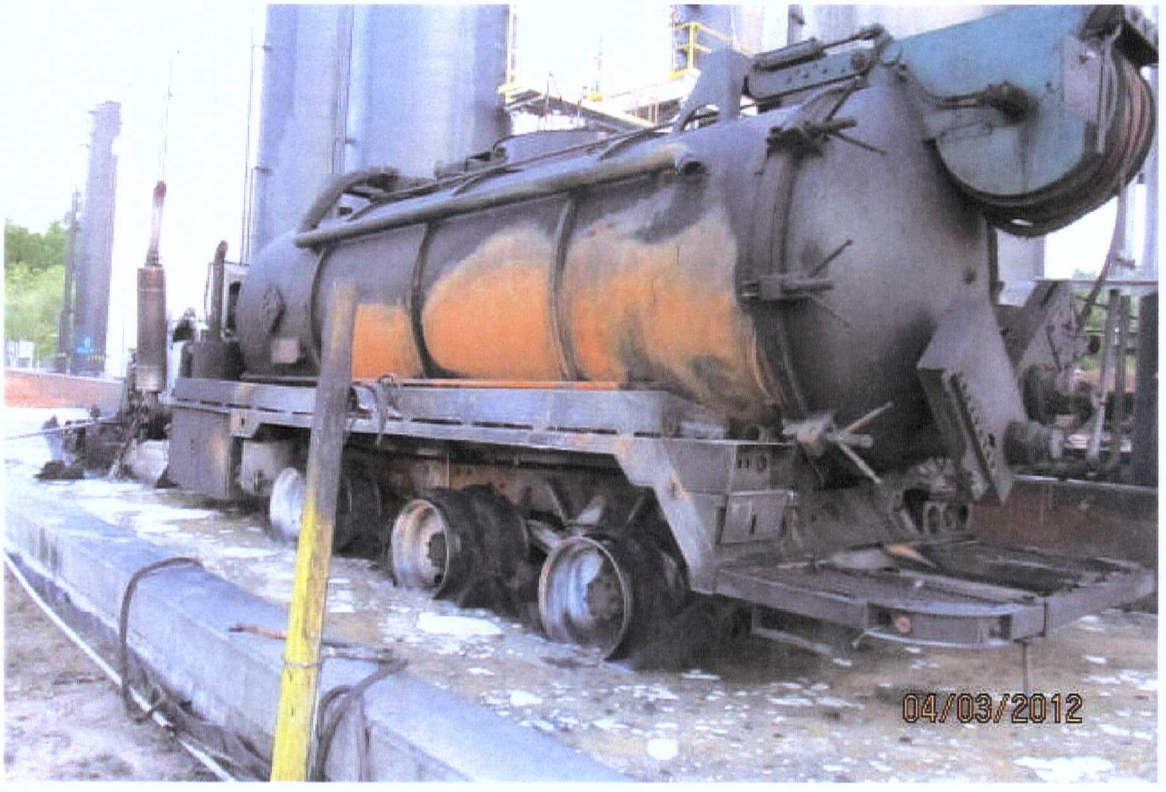
3. How was it stored before it was picked up? In one tank, multiple tanks or containers?

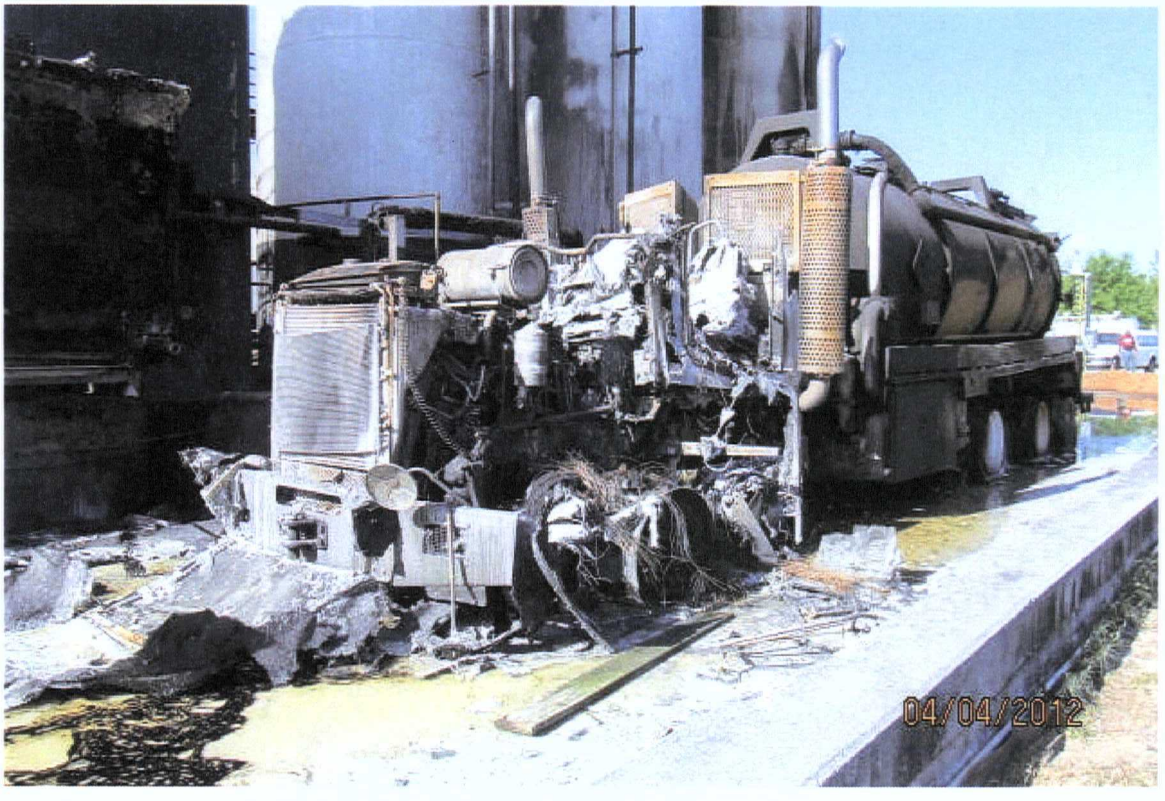
4. Does Petroleum Aids know how much fuel was in the material? Do they recover product themselves?

5. Would the Aqua Clean driver been able to see whether the material had more than one phase as it was being loaded? What sort of inspection of the load was done?

6. Did Petroleum Aids offer placards for the load?

Thanks for any help you can give us on this. If you want to discuss it further, please give me or Jim a call.


04/03/2012


04/04/2012

[redacted]AZARDOUS WASTE MANIF[redacted]ST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of
3. Generator's Name and Mailing Address: Petroleum Acquisition 605 SE. Depot Ave. Gainesville, FL, 32601			
4. Generator's Phone ( )			
5. Transporter 1 Company Name: Aqua Clean	6. US EPA ID Number: FLR000034033	A. State Transporter's ID	
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter 1 Phone	
		C. State Transporter's ID	
9. Designated Facility Name and Site Address: Aqua Clean 3210 Lithia Rd Lithia FL 33811	10. US EPA ID Number: FLR000034033	D. Transporter 2 Phone	
		E. State Facility's ID	
		F. Facility's Phone: (813) 644-0665	

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. PCW	4	Tanks	3500	GALS
b.		4/3/12		
c.		4:30pm		
d.				

G. Additional Descriptions for Materials Listed Above	H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information: Pumped out 3½ Tanks

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date: Month	Day	Year
X [redacted]	X Kari Bond	4	3	12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name: Thomas Allman	Signature	Date: Month 4	Day 3	Year 12
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name	Signature	Date: Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date: Month	Day	Year
Jarvis Jiles	[redacted]	4	3	12

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone ( )

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. PCW.	4	Tanks	3500	GALS
b.			4/3/12	
c.			4:30pm	
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Removed and 3½ Tanks

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name

Signature Ken Bond

Date: Month 4 Day 3 Year 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month 4 Day 3 Year 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name

Signature

Date: Month Day Year

MATERIAL DATA CERTIFICATION SHEET

AQUA CLEAN ENVIRONMENTAL CO., INC.
3210 WHITTEN ROAD
LAKELAND, FLORIDA 33811
PHONE: (863) 644-0665 FAX: (863) 646-1880

X New Profile
____ Amendment

GENERATOR INFORMATION
Generator Name: PETROLEUM AIDS INC.
Address: 605 SE DEPOT AVE
City: GAINESVILLE State: FL. Zip 32601
Contact: BOB DARE
Phone: 352-373-9582 Fax 352-378-3364

BILLING INFORMATION
Bill To: PETROLEUM AIDS INC.
Address: 605 SE DEPOT AVE
City: GAINESVILLE State: FL Zip: 32601
Billing Contact: BOB DARE
Phone: 352-373-9582 Fax: 352-378-3364

TRANSPORTATION INFORMATION
Transporter: Aqua Clean Environmental Co INC
Estimated Total Gallons: 3,000
Actual Total Gallons: _____

Shipping Container
- ☐ Drum
- ☐ Tanker
- ☐ Other

Shipping Frequency
- ☐ One Time
- ☐ Week
- ☐ Month
- ☐ Year
- ☐ Other

D.O.T. SHIPPING NAME: PCW

MATERIAL COMPOSITION
Component Concentration

MATERIAL INFORMATION

Flashpoint ☐ Exact____ ☐ <140 ☐ 140-200 ☐ >200

pH ☐ Exact____ ☐ <2 ☐ 2-5 ☐ 5-9 ☐ 9-12.5 ☐ >12.5

Specific Gravity ☐ ____ ☐ <0.8 ☐ 0.8-1.0 ☐ 1.0 ☐ 1-1.2 ☐ >1.2

Reactive ☐ Yes ☐ No

%Liquid_____ %Solid_____ %Sludge_____ N/A

Phases	☐ Single	☐ Double	☐ Multi
Viscosity	☐ Low	☐ Medium	☐ High
Odor	☐ None	☐ Mild	☐ Strong

Color/Appearance _____

Specify if any of the contaminants appear below. Attach all MSDSs and current analyses.

Contaminants	Amount Present (mg/l)	Contaminants	Amount Present (mg/l)
Arsenic		Chloromethane	
Cadmium		1,2 Dichlorobenzene	
Chromium		1,4 Dichlorobenzene	
Copper		Ethylbenzene	
Cyanide		Methyl Chloride	
Lead		Methyl Ethyl Ketone	
Mercury		Methylene Chloride	
Molybdenum		Naphthalene	
Nickel		1,1,2,2,-Tetrachloroethane	
Selenium		Tetrachloroethylene	
Silver		Toluene	
Zinc		1,2,4-Trichlorbenzene	
Benzene		1,1,1-Trichlorbenzene	
Cabon Tetrachloride		1,1,2-Trichloroethane	
Chlorobenzene		Trichloroethylene	
Chlorethane		Vinyl Chloride	

Is this certification made "applying knowledge of the hazard characteristic of the waste in light of the materials or the processes used?" ☒ Yes ☐ No

CERTIFICATION

Are any pesticides, herbicides or dioxin present? ☐ Yes ☒ No

Are any biotoxic components present in the material (such as cyanide, chlorine, ethylene glycol, etc.)?
☐ Yes ☒ No

Are any PCBs present in the material? ☐ Yes ☒ No

Is there more than one fuel present? ☒ Yes ☒ No

Does the material meet the definition of a hazardous waste according to 40CFR Part 261 and the Florida Hazardous Waste Regulations? ☐ Yes ☒ No

If the material is PCW water, then does it contain levels of hazardous constituents above those found in the source of the PCW? ☐ Yes ☒ No

GENERATOR'S CERTIFICATION

I hereby certify that the above description, as well as any other information provided to Aqua Clean, is complete and accurate to the best of my knowledge and ability. I certify that the above described material is the specified material as defined by the above conditions. If my material is found not to be the specified material as defined by any of the above conditions, I am liable for any and all penalties and fines assessed against or expenses, costs (including legal fees), or other damages incurred by Aqua Clean Environmental.

Authorized Signature Bob Dare Printed Name BOB DARE

Title GENERAL MANAGER Date 4-23-03

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION

HAZARDOUS MATERIALS CERTIFICATE OF REGISTRATION FOR REGISTRATION YEAR(S) 2011-2012

Registrant: LEWIS OIL CO INC
Attn: WENDA LEWIS
621 SE DEPOT AVENUE
GAINESVILLE, FL 32601

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

Reg. No: 052311 555 093T Issued: 05/24/2011 Expires: 06/30/2012

Record Keeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

(1) A copy of the registration statement filed with PHMSA; and
(2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, PHH-62, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, DC 20590, telephone (202) 366-4109.

MATERIAL DATA CERTIFICATION SHEET

AQUA CLEAN ENVIRONMENTAL CO., INC.
3210 WHITTEN ROAD
LAKELAND, FL 33811
PHONE: (863) 644-0665 FAX: (863) 646-1880

__X__ New Profile
__X__ Amendment

GENERATOR INFORMATION

Generator Name: Petroleum Ads Inc
Address: 605 Depot Rd.
City: Gainsville State FL Zip: 32601
Contact:
Phone: Fax:

BILLING INFORMATION

Bill To: Same As Above ↑ PET008
Address:
City: State: Zip:
Contact:
Phone: Fax:

TRANSPORTATION INFORMATION

Transporter: Aquit Clear

Estimated Total Gallons: 3,000

Actual Total Gallons: 3,000

Shipping Container
- ☐ Drum
- ☒ Tanker
- ☐ Other

Shipping Frequency
- ☒ One Time
- ☐ Week
- ☐ Month
- ☐ Year
- ☐ Other

D.O.T. SHIPPING NAME: P.C.W

MATERIAL COMPOSITION

Component _____ Concentration _____%

MATERIAL INFORMATION

Flashpoint ☐ Exact_____ ☐ <140 ☐ 140-200 ☐ >200
pH ☐ Exact_____ ☐ <2 ☐ 2-5 ☐ 5-9 ☐ 9-12.5 ☐ >12.5
Specific Gravity ☐ _____ ☐ <0.8 ☐ 0.8-1.0 ☐ 1.0 ☐ 1-1.2 ☐ >1.2
Reactive ☐ Yes ☐ No
%Liquid_____ %Solid_____ %Sludge_____
Phases ☐ Single ☐ Double ☐ Multi
Viscosity ☐ Low ☐ Medium ☐ High
Odor ☐ None ☐ Mild ☒ Strong
Color/Appearance:_____

Specify if any of the contaminants appear below. Attach all MSDSs and current analyses.

Contaminants	Amount Present(mg/l)	Contaminants	Amount Present(mg/l)
Arsenic		Chloromethane	
Cadmium		1,2 Dichlorobenzene	
Chromium		1,4 Dichlorobenzene	
Copper		Ethylbenzene	
Cyanide		Methyl Chloride	
Lead		Methyl Ethyl Ketone	
Mercury		Methylene Chloride	
Molybdenum		Naphthalene	
Nickel		1,1,2,2,-Tetrachloroethane	
Selenium		Tetrachloroethylene	
Silver		Toluene	
Zinc		1,2,4-Trichlorbenzene	
Benzene		1,1,1-Trichlorbenzene	
Cabon Tetrachloride		1,1,2-Trichlorbenzene	
Chlorobenzene		Trichloroethylene	
Chlorethane		Vinyl Chloride	

Is this certification made "applying knowledge of the hazard characteristics of the waste in light of the materials or process used?" ☒ Yes ☐ No

CERTIFICATION

Are any pesticides, herbicides or dioxin present? ☐ Yes ☒ No
Are any biotoxic components present in the material such as cyanide, chlorine, ethylene glycol, etc.)?
☐ Yes ☒ No
Are any PCBs present in the material? ☐ Yes ☒ No
Is there more than one fuel present? ☐ Yes ☒ No
Does the material meet the definition of a hazardous waste according to 40CFR Part 261 and the Florida Hazardous Waste Regulations? ☐ Yes ☒ No

GENERATOR'S CERTIFICATION

I hereby certify that the above description, as well as any other information provided to Aqua Clean, is complete and accurate to the best of my knowledge and ability. I certify that the above described material is the specified material as defined by the above conditions. If my material is found not to be the specified material as defined by any of the above conditions, I am liable for any and all penalties and fines assessed against or expenses, costs (including legal fees), or other damages incurred by Aqua Clean Environmental.

Authorized Signature Bob Dare Printed Name BOB DARE

Title GEN MANAGER Date 7/16/10

Knauss, Elizabeth

From: Dregne, James
Sent: Wednesday, April 04, 2012 3:53 PM
To: Gibbs, Ana
Cc: Pelz, Susan; Knauss, Elizabeth; Coogle, Deon
Subject: Aqua Clean Environmental

Ana,

This string of emails concerning Aqua Clean began two weeks ago, March 21, 2012, from the law firm of Bush Graziano Rice & Platter. This was before yesterday's **fire.** It has now reached me and is asking about copies of inspections. HW inspections are in OCULUS under EPA ID # FLR000034033.OCULUS has our 8/27/97, 8/2/99, 7/7/05, 11/18/08, and 8/31/11 inspections. I can't speak to SW, IW, and Air inspections. Also, both HW and City of Lakeland have open enforcement cases with Aqua Clean.

Would you please respond to this request?

Thanks,
Jim

JAMES M. DREGNE
FL. DEPT OF ENVIRONMENTAL PROTECTION
Hazardous Waste Program Manager, Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926
ph (813) 632-7600 ext.410, fax (813) 632-7664
james.dregne@dep.state.fl.us

From: Erin Reynolds [mailto:ereynolds@bgrplaw.com]
Sent: Wednesday, April 04, 2012 2:19 PM
To: Dregne, James
Subject: FW: Aqua Clean Environmental

Good Afternoon:

If you see the correspondence below, I am trying to locate inspection reports regarding Aqua Clean Environmental in Lakeland, FL. Do I need to come to the District Office to review or are they available online? Any help you could provide would be greatly appreciated.

Thank you,

Erin

Erin B. Reynolds | Bush Graziano Rice & Platter, P.A.
P.O. Box 3423
101 E. Kennedy Boulevard, Suite 1700
Tampa, FL 33601
(813) 228-7000 (Office Main)
(813) 204-2854 (Direct Dial)
(813) 273-0091 (Fax)
www.bgrplaw.com

From: Shiflett, Tom [mailto:Tom.Shiflett@dep.state.fl.us]
Sent: Wednesday, April 04, 2012 2:14 PM
To: Erin Reynolds
Subject: RE: Aqua Clean Environmental

Hi Erin,

I believe the inspections Mr. Ruede is referring to may have been conducted by the FDEP Southwest District Office Hazardous Waste section. I would suggest contacting Jim Dregne at 813-632-7600, or at James.Dregne@dep.state.fl.us to see if he can provide the inspection reports. If not, he may be better able to advise you who may have conducted these inspections.

Thanks.

Tom R. Shiflett, P.E.
Pretreatment Coordinator
Florida Department of Environmental Protection
2600 Blair Stone Rd. MS#3540
Tallahassee, FL 32399-2400
(850) 245-8601
Fax: (850) 245-8621

From: Erin Reynolds [mailto:ereynolds@bgrplaw.com]
Sent: Wednesday, April 04, 2012 1:37 PM
To: Shiflett, Tom
Subject: FW: Aqua Clean Environmental

Good Afternoon:

You previously assisted me with locating a permit for Aqua Clean Environmental Co., Inc. of Lakeland, FL, (an industrial wastewater pretreatment facility). Thank you again for your help and for putting me in contact with Rick Ruede. As you see below, Mr. Ruede explained that FDEP has inspected the facility several times. What is the best way for me to obtain those inspection reports?

Also, in my email to Mr. Ruede you will notice that homeowners nearby Aqua Clean have been complaining about the smells/noise of Aqua Clean for some time; and as recent as yesterday there was a fire at the facility which caused smoke to entire the neighborhoods.

Again, any assistance you can provide will be greatly appreciated.

Thank you for your time,

Erin Reynolds

From: Ruede, Richard [mailto:Richard.Ruede@lakelandgov.net]
Sent: Wednesday, March 21, 2012 11:11 AM
To: Erin Reynolds
Subject: RE: Aqua Clean Environmental

Erin,

I know that FDEP has inspected them several time by different departments with that organization but do not have any specific dates.

The City does conduct an annual inspection as required as part of the Industrial Pretreatment Program dealing with the wastewater they discharge to the City of Lakeland. Their last inspection was done on May 26, 2011. We will be doing another inspection in the coming months.

Rick

Richard J. Ruede

Wastewater Collection Superintendent
Water Utilities Department
1825 Glendale Street
Lakeland, FL 33803
Phone (863) 834-6571
Fax (863) 834-6271

Richard.ruede@lakelandgov.net

From: Erin Reynolds [mailto:ereynolds@bgrplaw.com]
Sent: Wednesday, March 21, 2012 10:56 AM
To: Ruede, Richard
Subject: RE: Aqua Clean Environmental

Thank you very much for this information. As background, our law firm has received complaints about Aqua Clean Environmental emitting excessive odors and noise. Do you know if the facility has been inspected recently?

Thank you again for your help,

Erin

Erin B. Reynolds | Bush Graziano Rice & Platter, P.A.
P.O. Box 3423
101 E. Kennedy Boulevard, Suite 1700
Tampa, FL 33601
(813) 228-7000 (Office Main)
(813) 204-2854 (Direct Dial)
(813) 273-0091 (Fax)
www.bgrplaw.com

Knauss, Elizabeth

From: LetoBarone, Domenic
Sent: Wednesday, April 04, 2012 11:52 AM
To: Dregne, James; Knauss, Elizabeth
Subject: Aqua Clean
Attachments: Aqua Clean.docx

Here is my write-up that Timyn distributed to Ana Gibbs and Tallahassee. I'll be over in a minute with a CD of photos.

Domenic

From: LetoBarone, Domenic
Sent: Wednesday, April 04, 2012 8:04 AM
To: LetoBarone, Domenic
Subject:

On the 3rd of April 2012, BER Tampa (Domenic LetoBarone) received initial notification from CIB Agent Steve Hough, regarding a fire at the Aqua Clean facility in Lakeland. Agent Hough reported seeing a large black plume of smoke emerging in the area of the facility. Shortly after receiving notification, BER responded. Additional notification was also received via the SWP. At the time of BER's arrival at 1816 hours, the fire had been extinguished and the black plume of smoke had already dissipated. Once on-scene, BER met with representatives of the Lakeland Fire Department, including their Fire Safety Inspector, the Aqua Clean General Manager, Mike Zellars, and Richard Ruede with the City of Lakeland Utilities Wastewater Collection Division.

BER conducted an initial assessment of the area. According to Mr. Zellars, the situation occurred as follows: An Aqua Clean tank truck had just completed off-loading Petroleum Contact Water, (PCW), into the pit adjacent to the facility's process area, while simultaneously, another Aqua Clean tank truck was off-loading gypsum slurry wastewater into the solidification area. During these activities, an Aqua Clean employee was using a trash pump, also known by its brand name as a Wacker pump, to reduce the liquid level in the pit to two feet above the bottom. Upon completing this process, the employee shut off the Wacker pump, which at that time, back-fired and ignited the PCW vapors. The fire quickly spread and destroyed the tank truck located near the pit and also spread to the tanks and surrounding equipment. The Lakeland Fire Department used only water to extinguish the fire, foam was not applied. In an effort to contain the overflow of firefighting water and associated waste from the tanker's, Aqua Clean personnel used a front-end loader to distribute and apply saw dust around the facility, creating berms were possible. The gypsum slurry wastewater did enter one of the on-site ponds, but was not in danger of reaching the outflow, which leads to a nearby creek. A second pond and some soil were also affected by the PCW run-off. In this area BER observed a stronger odor of gasoline.

After the situation had de-escalated and the Fire Department concluded their activities, Aqua Clean personnel began using vacuum trucks to collect any of the impacted water that could pose a potential threat to the surrounding environment and contained it inside their tankers. The remainder of the water that had stayed in containment was left in place until first light the next morning. Mr. Zellars stated that the plan would be to solidify the water using saw dust and take it to the landfill for disposal. Mr. Zellars also stated that testing would be conducted to satisfy all of DEP's requirements.

While on-scene, BER made notifications to Ana Gibbs, PIO for DEP's SW District Office. Several media helicopters were flying around the scene, as well as a Bay News 9 mobile unit located outside the entrance to Aqua Clean. In addition, DEP's Hazardous Waste Program was informed of the incident. BER and Lakeland's Fire Investigator will be re-visiting the site today.